

A BIBLIOGRAPHY
OF KERALA AND KERALA-BASED
ASTRONOMY AND ASTROLOGY

K. V. SARMA



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VISHVESHVARANAND INSTITUTE

HOSHIARPUR

1972

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पुस्तकालय



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पुस्तक संख्या

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आगत पंजिका संख्या

पुस्तक पर किसी प्रकार का
निशान लगाना वर्जित है। कृपया
१५ दिन से अधिक समय तक पुस्तक
अपने पास न रखें। 2995

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पुस्तकालय

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गुरुकुल कांगड़ी विश्वविद्यालय

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विषय संख्या आगत नं०

लेखक

वर्ष

सदस्य संख्या	दिनांक	सदस्य संख्या



पुस्तकालय
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पुस्तक-वितरण की तिथि नीचे अंकित है। इस तिथि सहित १५वें दिन तक यह पुस्तक पुस्तकालय में वापिस आ जानी चाहिए। अन्यथा ५ पैसे प्रतिदिन के हिसाब से विलम्ब-दण्ड लगेगा। 2995

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• A BIBLIOGRAPHY
OF KERALA AND KERALA-BASED
ASTRONOMY AND ASTROLOGY

By

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विश्वेश्वरानन्दसंस्थानम्

होशिआरपुरम्

VISHVESHVARANAND INSTITUTE

HOSHIARPUR

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विश्वेश्वरानन्द-भारत भारती-लेखमाला—३२४

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P R E F A C E

It was Charles M. Whish, an officer of the erstwhile East India Company, who first drew the attention of the scholarly world, nearly 140 years ago, to the live mathematical tradition of Kerala, by setting out, in modern terms, several ingenious rational approximations of π found in certain Kerala works on astronomy.¹ His line of investigation was resumed more than a hundred years later, in the forties of this century, by Prof. C. T. Rajagopal and certain other scholars, with interesting results. Now, Whish had available to him just a few texts, including the *Tantrasaṅgraha* of Nilakaṇṭha Somayāji, *Yukti-bhāṣā* of Jyēṣṭhadeva, *Karaṇapaddhati* of Putumana Somayāji, and *Sadratnamālā* of Śaṅkara Varman. Nor had the later scholars referred to available to them more than a few more texts in printed form or in the form of modern transcripts, to work upon, while profuse original material lay mostly unsuspected and little recognised, in the form of palmleaf manuscripts written in the Malayalam script, scattered in the numerous private collections and the few public repositories in Kerala, well nigh out of the reach of modern historians of mathematics. For a proper study and evaluation of the contribution of Kerala to the twin disciplines of mathematics and astronomy and to the allied discipline of astrology, the first requirement is a fully referenced and annotated bibliography of the several hundred texts, in Sanskrit and in Malayalam, which exist in the form of manuscripts: Section I of the present work is intended to meet this desideratum. Its Section II is devoted to a similar treatment of the texts apparently inspired by Keralite ideas, but produced and prevalent beyond its borders.

The essential directions for the use of this *Bibliography*, such as the mention of its basic sources, the method of presentation of the manuscripts of the texts and identificatory extracts therefrom, the

1. C. M. Whish, 'On the Hindu quadrature of the circle and the infinite series of the proportion of the circumference to the diameter exhibited in the four Śāstras, the *Tantrasamgraham*, *Yukti-bhāṣā*, *Carana Padhati* and *Sadratnamālā*', *Trans. Royal Asiatic Soc. of Gr. Britain and Ireland*, 3 (1835) 509-23.

indication of editions, translations, studies and notices in histories of literature and allied writings, have been set out in the short introductions to the two bibliographies (see below, pp. 2-5, 105-6).

Naturally enough, the compilation of this *Bibliography* had been an arduous task, lasting for a few years and entailing the examination of several hundreds of palmleaf manuscripts, in Malayalam script, towards the identification, correlation, extraction of material and study of texts on Jyotiṣa. But the strain involved, had been more than compensated by the discovery of many new authors and works and the substantial addition to matters which were already known and confirmation or refutation of those which were doubtful.

In Section I of the book, being 'A Bibliography of Kerala Jyotiṣa', (pp. 1-103), as many as 752 works and 111 authors have been identified and set out with details about their manuscripts and other useful information. Of the works identified, 402 pertain to astronomy and 350 to astrology. Among astronomical texts, treatises on *Karaṇa* preponderate and number 211. The number of works on astronomy in general is 80. There are 34 texts on eclipses, which either enunciate new methodologies, indicate revised calculations or set out merely eclipse computation. A very important type of texts, numbering 9, whose nature has been identified for the first time, pertain to the exposition of astronomical rationale (*nyāya* or *yukti*). Works connected with the *Siddhāntas* number 6, with *Tantra*, 34, and with Mathematics 28. In Section II of the Bibliography, 118 Kerala-based works and 32 authors have been identified and treated as above.

The work on this *Bibliography* has resulted, as indicated above, in the identification of several hitherto unknown astronomers and the discovery of a large number of interesting texts, especially on *chāyā*, *grahaṇa* and *sphuṭakriyā*; these can be distinguished in the *Bibliography* by the absence of any reference to any edition or modern writings recorded below the respective entries. Among the identifications are included also the different versions and recensions of works like the *Kriyākramakarī*, *Goladīpikā* and *Nyāyaratna*. Several works bearing the same title and authors having a common name have been identified. (See, for example, *Uparūgakriyākrama* I-III, *Grahaṇagaṇita* I-X, *Grahaṇaśīṭka* I-VI, *Pañcabodha* I-XI, *Muhūrtapadavī* I-VII; *Dāmodara* I-VIII, *Nārāyaṇā* I-VIII, *Puruṣottama* I-III, *Śaṅkara* I-IX etc.). A number of additions, correlations and corrections to existing views could also be made, which would be apparent on a

PREFACE

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reference to entries such as Acyuta Piṣārati (see also 'Additions', p. 103), Āzhvāñceri Tamprākkaḷ, Ghaṭigopa, Citrabhānu-Śiṣya (see also 'Additions', p. 103), Jyēsthadeva, Nārāyaṇa I, Nilakaṇṭha Somayāji, Parameśvara I, Putumana Somayāji, Śaṅkara Vāriyar of Tṛkkuṭaveli, Śaṅkaran Nampūtiri of Mahiṣamaṅgalam, *Muhūrtapadavī*, *Horā* etc. Of special significance in the matter of ingenuity is the *Veṅvāroha* of Mādhava and the genre of works based on its method. Among the numerous new works discovered, two deserve special mention, viz., the *Grahapaṇikṣākrama* of Nilakaṇṭha Somayāji and the *Sūryasiddhāntavyākhyā* of Acyuta Piṣārati.

- The personal and other details of the authors whose works have been noticed in this *Bibliography* have been given at some length in Ch. IV of my *History of the Kerala School of Hindu astronomy*, (Hoshiarpur, 1972), of which this *Bibliography* is a part and has been reprinted in view of its independent utility. References to such biographical treatment have been duly made in this *Bibliography* under each author, prefixed with the abbreviation *Ker. Astron.*

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September 20, 1972

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- Ad. Adyar Library, Madras. Ref. to the Library's *Alphabetical Index of Mss.*, Madras, 1944.
- Bala: ~~K. Balagangadharan~~
~~V. Balagangadharan~~ 'A consolidated list of Hindu mathematical works', *Mathematics Student*, 15 (1947) 55-70.
- Baroda Oriental Institute, Baroda. Ref. to its *Alphabetical list of Mss.*, 2 vols., Baroda, 1942, 1950.
- C Curator's office Collection of Skt. Mss., deposited in the Kerala Univ. Mss. Library, Trivandrum.
- CC *Catalogus Catalogorum, An alphabetical register of Skt. works and authors*, by T. Aufrecht, Leipzig, 3 vols., 1891, 1896, 1903 ; Rep. Wiesbaden, 1962.
- CM Curator's Office Collection of Malayalam Mss., deposited in the Kerala Univ. Mss. Library, Trivandrum.
- Gaṇaka. *Gaṇakatarāṅgiṇī or Lives of Hindu astronomers* (in Skt.), by Sudhakara Dvivedi, rev. by Padmakara Dvivedi, Banaras, 1933.
- IO India Office, London: Ref. to its *Cata: of Skt. and Pkt. Mss.*, by J. Eggeling, (2 Pts., London, 1887, 1896) ; and A. B. Keith, (2 Pts., London, 1935).
- Kaye G. R. Kaye, 'A brief bibliography of Hindu mathematics', *Jl. and Proc. of the Asiatic Soc. of Bengal*, (NS), 7 (1911) 679-86.
- Ker. Kerala University Mss. Library. Ref. to its *Alphabetical Index of Skt. Mss.*, 2 vols., Trivandrum, 1957, 1965.
- Ker. Astron. K.V. Sarma, *A history of the Kerala school of Hindu astronomy (In perspective)*, Vishveshvaranand Institute, Hoshiarpur, 1972.

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- Ker. Mal.** Kerala Univ. Mss. Library, *Index of Malayalam Mss.*, Trivandrum, 1951.
- Kolatheri** Kolatheri Sankara Menon, *Indian astronomy with special reference to the works of Kerala authors*, Doc. diss., Madras University, 1927.
- L** Loan Collection of Mss., deposited in the Kerala Univ. Mss. Library, Trivandrum.
- Lucknow**, Skt. Parishad. See below, p. 106.
- Mad.** Madras, Govt. Or. Mss. Library. Nos. preceded by 'D' denote mss. described in its *Des. Cata. of Skt. Mss.* and those preceded by 'T' denote mss. described in its *Triennial Cata. of Mss. (Skt.)*
- Mysore** See p. 106.
- NCC** *New Catalogus Catalogorum : An alphabetical register of Skt. and allied works and authors*, by V. Raghavan, K.K. Raja, University of Madras, 1949 ff.
- Nepal Vir.** See below, p. 106.
- P** Palace Library Collection of Skt. Mss., Trivandrum, deposited in the Kerala Univ. Mss. Library.
- PG** P. Govinda Pillai, *Malayala Bhasha Charitram* (in Mal.), rep. National Book Stall, Kottayam, 1955.
- PM** Palace Library Collection of Malayalam Mss., Trivandrum, deposited in the Kerala Univ. Mss. Library.
- Raj. Jaina** See below, p. 106.
- Raj. Jodh.** See below, p. 106.
- Raja** K.K. Raja, 'Astronomy and mathematics in Kerala (An account of its literature)', *Adyar Library Bulletin*, 27 (1963) 118-67.
- RNP** R. Narayana Panikkar, *Kerala Bhasha Sahitya Charitram* (in Mal.), V. V. Book Depot, Trivandrum, 7 vols., nd.-1951.

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- Sen S.N. Sen, *Bibliography of Sanskrit works on astronomy and mathematics*, Pt. I : Manuscripts, Texts, Translations and Studies, National Inst. of Sciences of India, New Delhi-1, 1966.
- Sundaram Iyer K. Sundaram Iyer, 'Kerala's contribution to astronomy and astrology', *Proc. of the 9th All-India Or. Conf.*, Trivandrum, 1937, pp. 1109-19.
- T Transcripts Section (Skt.) of the Kerala Univ. Mss. Library, Trivandrum.
- Tanjore Tanjore, Sarasvati Mahal Library. Nos. preceded by 'D' denote mss. in its *Des. Cata. of Skt. Mss.*
- Tir. Triupati, S.V. Or. Institute : *Alphabetical Index of Skt., Telugu and Tamil Mss.*, Tirupati, 1956.
- TM Transcripts Section (Malayalam) of the Kerala Univ. Mss. Library, Trivandrum.
- Ul. Ulloor S. Parameswara Aiyar, *Kerala Sahitya Charitram* (History of Kerala literature), (in Mal.), Univ. of Kerala, Trivandrum, 5 vols., 1953-57.
- Ul. Sup. Sup. to Do. : *Kerala Sahitya Charitram—Charcchayam Pūṇavum*, (in Mal.), by Vaṭakkumkūr Rājārāja Varma, Mangalodayam, Trichur, 1967, 1969.
- Va. Vaṭakkumkūr Rājārāja Varma, *Keraliya Samskrita Sahitya Charitram* (History of Kerala Skt. literature), (in Mal.), vol. I, Kamalalaya Bk. Depot, Trivandrum, M.E. 1113 (A. D. 1938); vols. II-VI, Mangalodayam, Trichur, M.E. 1122-40 (A.D. 1947-65).
- Varanasi See below, p. 106.
- V.V.R.I. See below, p. 106.
- Whish Whish Collection of mss., described in *A Cata. of Indian Skt. Mss. (especially those of the Whish collection) in the Royal Asiatic Soc., London*, by M. Winternitz, London, 1902.

GENERAL ABBREVIATIONS

arith.	Arithmetic
astrol.	Astrology (general)
astron.	Astronomy (general)
C	Commentary
ecl.	Eclipse
jā.	Jātaka
kar.	Karaṇa
Ker. (?)	Kerala authenticity doubtful
Mal.	Malayalam
Ms(s).	Manuscript(s)
muh.	Muhūrta
nat. astrol.	Natural astrology
pra.	Praśna
Skt.	Sanskrit
TSS	<i>Triyandrum Skt. Series</i>

**I. A BIBLIOGRAPHY OF KERALA ASTRONOMY
AND ASTROLOGY**

I. A BIBLIOGRAPHY OF KERALA ASTRONOMY AND ASTROLOGY

The Bibliography of Kerala Jyotiṣa literature which is presented here is intended to document information on the manuscripts, studies and other references to Kerala authors and works in the allied disciplines of astronomy and astrology. The authors and works, with their dates and other essential identificatory or descriptive details, wherever necessary, have been arranged in one alphabetical sequence, the former being printed in thick roman type and the latter in bold italics. Since the works whose authors are known are automatically identified by those authors, the identification of anonymous works has been sought to be achieved through the supply of extracts of the initial lines of the respective works. Wherever some amplification seemed necessary, that has been supplied by extracting end-passages and colophons; this has been done also to set out hitherto unknown information.

The nature of the contents of the works has been indicated by adding, after the titles, their subjects such as : Astronomy (astron.), Sāṃhitā, Tantra, Karaṇa (kar.), Eclipse computation (ecl.), Astrology (astrol.), Jātaka (jā.), Praśna (pra), Muhūrta (muh.), Prognostication, Natural astrology (nat. astrol.), arithmetic (arith.) etc. Sanskrit works are given no special indication to that effect but Malayalam works are distinguished by the addition of '(Mal.)' after their titles.

Often, different works bear a common name, (e.g. *Pañcabodha*), and all their manuscripts are bunched together in catalogues. In such cases, an attempt has been made to examine the manuscripts and identify them for this Bibliography and give against each distinct work the manuscripts relevant to it. Authors or works having a common name have been distinguished by the addition of I, II etc., to their names. So also the different commentaries on the same work. When a work does not give its title and therefore a title had to be assigned to it on the basis of its contents, the fact is generally indicated by the addition of '(?)' after the title. The symbol '(?)' is used also when a doubt is entertained about any matter. When the Kerala origin of a work is suspect that is indicated by adding '(Ker. ?)' to it.

BIBLIOGRAPHY OF KERALA ASTRONOMY-ASTROLOGY 3

Whenever it was felt that some purpose would be served by indicating the extent of a work, that has been done by noting the numbers of its sections or the number of *granthas* (32 syllables) it is comprised of.

The documentation of the manuscripts of works is intended more as indicative than as exhaustive. When only a single manuscript or just a few manuscripts are known, the numbers of all the manuscripts have been noted.⁶ When, however, a large number of manuscripts of a work are known, the references to the relevant manuscripts catalogues alone are given or a few manuscripts noticed. Incomplete manuscripts are indicated by the addition of '(inc.)' to their numbers.

All the major repositories of Kerala manuscripts have been examined, either directly or through their catalogues of manuscripts, for the work on this Bibliography. The Kerala University Oriental Research Institute and Mss. Library, which, now, houses all the Trivandrum collections, is by far the largest of these repositories and had been most useful in the present work. In this Bibliography, references to the manuscripts germane to the University Collection¹ are given merely by their Ms. numbers, with no other indication. The numbers of the manuscripts belonging to the erstwhile Curator's Office Collection² are prefixed with 'C', those of the Curator's Office (Malayalam) Collection,³ with 'CM', the Loan Collection with 'L', the Maharaja's Palace Collection,⁴ with 'P', the Palace Malayalam Collection,⁵ with 'PM', Transcripts Section with 'T' and Transcripts (Malayalam) Section, with 'TM'. Of the other collections, that of the Adyar Library and Research Centre⁶ is indicated by 'Ad', the Oriental Institute, Baroda,⁷ by 'Baroda',

1. *Alphabetical Index of Skt. Mss. in the Univ. Mss. Library, (Ker.)*, Trivandrum, 2 vols., 1937, 1965; *Index of Malayalam Manuscripts, (Ker. Mal.)*, Trivandrum, 1951.

2. *A Des. Cata. of Skt. Mss. in the Curator's Office Library*, Trivandrum, 10 vols., 1937-41.

3. *Do. of Mal. Mss.*, Trivandrum, 3 vols., 1941.

4. *A Des. Cata. of Skt. Mss. in H. H. the Maharaja's Palace Library*, Trivandrum, 8 vols., 1937-38.

5. *Do. of Mal. Mss.*, Trivandrum, 2 vols., 1939.

6. *Alphabetical Index of Skt. Mss. in the Adyar Library*, Madras, 1944.

7. *An alphabetical list of Mss. of the Or. Institute*, Baroda, 2 vols., 1942, 1950.

the Government Or. Mss. Library, Madras,¹ by 'Mad.', S.V. Oriental Institute, Tirupati,² by 'Tir.', the India Office Library, London,³ by 'IO' and the Whish Collection of the Royal Asiatic Society, London,⁴ by 'Whish'. Other public and private collections have been indicated by their full names. The *Catalogus Catalogorum of Sanskrit works and authors (CC)* by T. Aufrecht (Leipzig, 3 vols., 1891, 1895, 1903; Rep., Wiesbaden, 1962) and the *New Catalogus Catalogorum (NCC)*, (Madras University, 1949 ff.) are also referred to when necessary.

For facilitating general information and further study of individual works and authors, such details as the editions of the works, if available, and references to special articles on them are supplied towards the end of each entry. Besides these, their treatment in such important sources as: Ulloor, *Kerala Sahitya Charitram* (Ul.), (5 Vols., Trivandrum, 1953-57), Vatakkumkur, *Keraliya Samskrita Sahitya Charitram*, (Va.), (6 vols., Trivandrum-Trichur, 1938-65), and *Kerala Sahitya Charitram—Chacchayum Pūṇavam*, (Ul. Sup.), (2 vols., Trichur, 1967-69), R. Narayana Panikkar, *Kerala Bhasha Sahitya Charitram*, (RNP), (7 vols., Trivandrum, nd.-1951), S.N. Sen, *Bibliography of Sanskrit works on Astronomy and Mathematics*, (Sen), (New Delhi, 1966) and K.K. Raja, 'Astronomy and Mathematics in Kerala: An account of the literature', (Raja), (*Adyar Library Bulletin*, 27 (1963) 118-67), has also been duly indicated. Other relevant pieces of information also find their due place here.

1. *An alphabetical index of Skt. Mss. in the Govt. Or. Mss. Library, Madras*, 3 vols., 1938, 1940, 1942.

2. *An alphabetical index of Sanskrit, Telugu and Tamil Mss. in the S.V.Or. Res. Inst. Library, Tirupati*, 1956.

3. *A Catal. of Skt. and Pkt. Mss. in the India Office Library*, by J. Eggeling, 2 pts., London, 1887, 1896; and A.B. Keith, 2 pts., London, 1935.

4. *A Catal. of South Indian Skt. Mss.*, (especially those of the Whish Collection), in the *Royal As. Soc., London*, by M. Winternitz, London, 1902.

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Aṁśakadaśanyanam (jā.), (Mal. prose), Anon. 30 gr.

Ms. L. 765-B.

Aṁśakaphalaśvicāra (jā.), Anon. (Skt.-Mal.), 125 gr.

Beg. guror api ca saṁvada iṣṭadaivatandanam /
kalivākyāni lagnam ca sūryādyeṣu grahasphuṭam //

Ms. TM. 119.

Akārādipraśna (pra.), (Mal.), Anon.

Beg. Vālmikiṣiproktam Rāmabhadrasvāmi-kathā. Śrī. Praśnam.
Akārādi akṣaram, i pustaka-lakṣaṇam kāṇum prakāram.
grantham keṭṭikkonṭu kāryam vicāriccu etc.

Ms. CM. 2262.

Akṣarapraśna (pra.), (Mal.), Anon.

Ms. See *Ker. Mal.*, p. 1 ; Ad.

Do.—C (Mal.)

Ms. See *Ker. Mal.*, p. 1.

Aganīta (kar.), (A.D. 1861) by Nalleppalli Subrahmaṇya Śāstri
(A D. 1829-88), enunciating facile methods to read out positions of
the planets for 1000 years.

Ref. : Ul. IV. 290, 292 ; Ul. Sup. II. 122-23 ; Va. IV. 607 ;
RNP IV. 481-82.

Aganītagrahaçāra or *Aganītapāñcāṅga* (kar.), by Mādhava of
Saṅgamagrāma, 2000 gr.

Beg. ādityapramukhān khetān vande lokaprakāśakān /
Aganītagrahaçāre dṛśyate rāṣinirṇayaḥ ||1||
śakābdāt naralokonād rāghavair dhītsunā kujah /
divylokonanilāgrais tattvajñair bhājito budhaḥ ||2||

Mss. 5955-A, C. 628, T. 280.

Aṅkaṇaśāstra, called also *Grahasamaya* or *Navagrahasamaya* (ja.), Anon., by a native of Vaikkam, couched in the form of a dialogue between Vyāghrapāda and some sages, in 4 chs., in 425 gr.

Beg. Vyāghrapādam aham vande śeśāmśena samudbhavam /
 puṇḍarikapureśasya padapaṅkajasamśrayam //
 śṛṇvantu munayaḥ sarve durūham sarvadaivaṭaiḥ /
 grahāṇām samayam hyagre vakṣyāmi maṭimātrataḥ //

Ms. T. 206. Ed. TSS, No. 222, (Trivandrum, 1968). Ref. Ul. Sup. I. 221-22.

Acyuta I

—*Devakerala*, called also *Keralajyotiṣa*, *Candrakalānāḍī* and *Candranāḍī*.

Mss. Mad. D. 13776-79, R. 853 (a), 3322. Ed. Gov. Or. Mss. Lib., Madras, 3 vols., 1952-56. Ref. See above, p. 46, § 9.

Acyuta II : Acyuta Piṣāraṭi, (1550-1621), of Tṛkkaṇṭiyūr, pupil of Jyeṣṭhadeva and teacher of Nārāyaṇa Bhaṭṭatiri; patronised by king Ravi Varmā of Veṭṭattunāḍ; had a long line of teachers and pupils.

- Uparāgakriyākrama*
- Uparāgaviṃśati* (?)
- Karaṇottama*
- C on *Karaṇottama*
- Chāyāṣṭaka*
- Jātakabharāṇa*
- Rāṣigolasphuṭānīti*
- C on *Veṇvāroha* of Mādhava
- Sphuṭanirṇaya*
- C on *Sphuṭanirṇaya*
- Horāsāroccaya*

Ref. See ^{Ker. Astron.} above, pp. 12; 64-65, § 39; K. V. Sarma, Introductions to his edns. of *Rāṣigola*° and *Veṇvāroha*; S. V. Iyer, 'Acyuta Piṣāraṭi: His time and works', *JOR* 22 (1952-53) 40-46; Raja, 158-62; Ul. II. 319-26; Ul. Sup. I. 315; Va. II. 748-57.

Adhimāsanirṇaya, '(astron.)', Anon.

Beg. : meṣādyaiḥ karāṣisphuṭagatidinakṛtsaṅkramaikaikagarbhāḥ.

Ms. L. 1229-D (with C, 65 gr.).

BIBLIOGRAPHY OF AUTHORS AND WORKS

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Adhimāsanirṇaya (contd.)

Do—C. (interspersed with Mal.), Anon.

Beg. : dvādaśamāsātmakatvena lokavedaprasiddhasya Cāndrasaṁ-
vatsarasyāṅgabhūtānām lakṣaṇam aha—meṣādāvekaikasmin
rāśau sphuṭagatyā.

Ms. : L. 1229-D.

Ayanacalāṇadigaṇita (astron.), (Mal.), by Śaṅkara of Mahiṣa-
maṅgalam.

Beg. tumpa tiṅkaḷoṭu gaṅga tanneyum etc.
candradhilagnasaṁyuktam kollasaṅkhyayutam kramāt etc.

Ms. PM. 4026-A. Men. Ul. II. 272.

Aṣṭamaṅgalapraśna I (pra.), by Rudra II (?)

Beg. jayati bhagavān gajāśyo etc. // 1 //
satyajñānapradāyeṣṭa etc.

Ref. Ul. II. 117.

Aṣṭamaṅgalapraśna II (pra.), Anon., prose.

Beg. svasthacitto'pi vittasthaḥ samabhyarcya gaṇādhīpam /
nijān gurūn devatās ca sūryādimś ca navagrabān //
...anantaram viḷakkum gaṇapatiyum vaccu aṣṭamaṅgalavum
vaccāl rāśicakram varappū /

Ms. 3556-C, 13494-K, CM. 565-A. Ref. Ul. III. 245.

Aṣṭamaṅgalapraśna III (pra.) Anon., (Mal. pr. and verse), 160 gr.

Beg. dūtasvabhāvam vacanam pravṛttim
sthālam ca taṇṭe svaravum svavṛttim /

Ms. PM. 4029.

Aṣṭamijayantīnirṇaya (astron.), by Puṭṭayamaūr Parameśvaran
Nampūtiri (or Puradahanapura-dvija), A.D. 1810, 300 gr.

Ms. CM. 6-E. Ref. Ul. III. 476-82 ; Ul. Sup. I. 220-21.

Aṣṭakavarga (jā)Ms. See *Ker.*, I. p. 43.

Do—C. (Mal.).

Ms. 6065-B;

Aṣṭakavargaprayoga (jā.), (Mal. prose), Anon.

Ms. 6065-B.

Aṣṭakavargaphalavicāra (jā.), (Mal.), prose, Anon., 225 gr.

Beg. ādityante aṣṭakavargattil paral pizhaiyāte etc.

Ms. C. 2338-C.

Aṣṭakavargopadeśam (jā.), (Mal. prose), Anon., 150 gr.

Ms. C. 565-C.

Aṣṭavargaprakāra (jā.), (Mal. prose), Anon.

Ms. 13294-Q.

Aṣṭavargaprakriyā (jā.), Anon., (Skt.-Mal.).

Beg. kanyāmakarau
śaraiś ca seṣāḥ svamānaguṇitāḥ syuḥ /

Ms. C. 962-B.

Aṣṭavargaprayoga (jā), Anon.

Beg. athāṣṭavargaprayoga ucyate. putro vāso dadhāṇaḥ syāt.

Ms. P. 894-B.

Ahargaṇḍigaṇitam (?) I (kar.), (Mal.), Anon.

Beg. vākyaśaṅkhyakaḥ vacchittu cenna tiyati kūṭṭiyāl /

Ms. 10967-F (inc., 25 gr.).

Ahargaṇḍigaṇitam (?) II, (kar.), (Mal.), Anon., in verse.

Ms. 13295-I (inc., 170 gr.).

Ahargaṇḍigaṇitam (?) III, (kar.), (Mal.), in prose and verse.

Ms. 142 .8-E (inc., 24 gr.).

Aharmānādigāṇitam (?) I, (kar.), Anon. Epoch : Kali 17,21,162,
A.D. 1611.

Beg. 'pritiśyādyarasāyano'nadivasān modāḍhya-putram tyajet.

Ms. 1005-C.

Do—C (Mal.), Anon.

Ms. 1005-C.

Aharmānādigāṇitam (?) II, (kar.), (Mal.), prose.

Beg. talkālacandran oṇṭākkuvān vākyaṁ vaccu.

Ms. L. 765-H (inc., 140 gr.).

Aharmānadigaṇitam III (kar.), (Mal.), Anon.

Beg. purabhaktiḥ, sudhaneḍhyā, nṛpapaṭukapi, nityanindādhisūta-
mūlāḍhyo meṣanaya ṛṇam yuṭāniyataprātāḥ (?) itu ubhe
aharmānam.

Ms. PM. 4328-B.

Ācāradarśana (astrol.), Anon., by a pupil of Śaṅkara and Śrī-
vallabhā.

Beg. ... vande Śaṅkaram Aṣṭamūrtijanakam Śrīvallabham vā
gurum.

Ms. 1055-G.

Ācaradipika : Name of C on *Muhūrtāṣṭaka*.

Ācarasaṅgraha I (muh.), by Parameśvara of Vaṭāśreṇi.

Ms. : See *Ker.*, I. p. 54. Ref. Va. II. 686-87 ; III. 394-95 (where
the work is said to be different).

Do.—C (Mal.), Anon.

Beg. Ācārasaṅgramākunna muhūrta-granthatte camappān tuṭaṇ-
ṇunna ācāryan.

Ms. 773-B.

Ācarasaṅgraha II (muh.), (Mal. prose), Anon., 2200 gr.

Mss. 5886-A, L. 1286.

Ānandaprakaśa, teacher of Nityaprakāśa Yati (au. of C on *Horā*)

Āyuhpraśna (pra.), (Mal.), by Śaṅkara of Muktiṣṭhala.

Mss. 5109-A, 10582-C-2, C. 565-B.

Āyuhpraśnadīcintanam (pra.), (Mal. prose).

Ms. 13494-E.

[*Āyudhapraśna* (pra.), Anon.]

Do.—C (Mal.), *Dūtalakṣaṇabhāṣavyākhyā*, 175 gr.

Beg. Āyudhapraśnasya dūtalakṣaṇa-bhāṣā likhyate / dūtan kizha-
kkoṭṭu ninnu iṭakkaikoṭṭāyudham piṭiccu.

Ms. C. 173-D.

Ker. Astro. 2

Āyudhalakṣaṇam I (pra.), (Mal.), in verse, Anon., in 4 chs., 110 gr.

Beg. gurupādatte vandiccu kuāryekkoṇṭu bhāṣayāy /
arivāniha collunnen abam Āyudhalakṣaṇam //

Ms. See *Ker Mal.*, p. 16 ; P. 970-B ; PM. 4026-D.

Āyudhalakṣaṇam II (pra.), (Mal.), in verse, Anon., 62 gr.

Beg. ampiḷikkala cūṭunna tampurān mūttaputrane /
mumpil tozhutu kumpiṭṭen vanpōlum vāṇimāteyum //
arīalum keṭṭinikkunnor āyudhathinnu lakṣaṇam /
arivan jñānadṛṣṭikku guruvīn varam ekuka //

Ms. CM. 127-C.

Āyurdāyagaṇitam (?) (astrol.), (Mal.), Anon. in prose.

Beg. āyurdāyam varuttān jātakam varuttū.

Ms. L. 144-P, L. 1217-B.

Ārūḍhapraśna, by Śaṅkara : See *Sāmudrikasāra*.

[*Āryabhaṭīya* (tantra), by *Āryabhata*]

Do.—C I, *Bhaṭaparakāśa* or °*prakāśikā* by Sūryadeva-yajvan, 2500 gr.

Mss. : See *Ker.*, I. p. 74 ; Ad., Mad.

Do.—C II, *Bhaṭadipikā* by Parameśvara of Vaṭaśreṇi.

Mss. 10617, C. 1363-B ; Mad. Edn. H. Kern, Leiden, 1874 ;
Udaya Narain Singh, Etawah, 1906.

Do.—C III, *Bhāṣya*, (for Gaṇita, Kālakriyā and Gola Sns. only, but
not for Gitikā Śa), by Nilakaṇṭha Somayāji, 4000 gr.

Mss. : See *Ker.*, I. pp. 73-74, NCC II. 172. Edn. TSS 101, 111, 185.

Ref. : Ul. II. 119-20.

Do.—C IV, by Ghaṭigopa, (Skt. com.).

Mss. 13305-A, T. 736.

Do.—C V, (Mal.) by Ghaṭigopa, version I, 1200 gr.

Beg. of Gaṇitapāda : gaṇitapādattiṅkal muppattimūnnārya-
kaḷekkoṇṭu yuktisiddhamāyirikkunna gaṇitatte colluvān
tuṭānnunna Āryabhaṭācāryan naṭette sūtram koṇṭu iṣṭa-
devatānamaskāravum cikirṣita-pratijñayum ceyyunnū—
Brahma-śaśi etc.

[*Āryabhaṭīya*, C V, contd.]

Mss. 11014, L. 1334, T. 157-A, Mad. Mal. 215; ms. with K.V. Sarma. Ref. Ul. III.234-35.

Do.—C VI, (Mal.), by Ghaṭigopā, version II, 1850 gr.

Beg. of Gaṇita-pāda : Āryabhaṭācāryan Daśagīti-sūtram āyirikkunna prabandham koṇṭu atindriyam āyirikkunna artha-jātatte updeśicciṭṭu...śāstratte ārambhikkunnū—Brahma-śāsi etc.

Mss. C.2333-A, T. 157-B.

Do.—C VII, Anon.

Beg. vāgma jamahikṣapam kṛjñāśukrasūryārasūriśanibhā (?) ... /
... .. vyākhyāyate'tha tattantram //

Ms. L. 1347-A (Inc., 2600 gr.).

Do.—C VIII, Anon.

Beg. athācāryāryabhaṭo Daśagītisūtram ārabhamāṇas tadvighno-paśāntaye bhagavate svayambhuve praṇāmam kṛtvā.

Ms. C. 1828.

Do.—C IX, Anon.

Beg. (of *Kālakriyā*) : atha kālakriyāpādo vyākhyāyate. atra kālavibhāgam āha.

Mss. C. 2160-C (*Gaṇita* and *Gola* portions, 650 gr.); C. 2160-D (*Kālakriyā*, 450 gr.).

Do.—C X (Mal.), by Kṛṣṇa (?).

Beg. Āryabhaṭācāryan tantratte ārambhippān.

Ms. IO 6273 (all the four sections cm. : Rem. The label on the ms. reads '*Bhāṣāyām Kṛṣṇaṭikā*' (?). The au. is diff. from Kṛṣṇadāsa, below, since the beg. of the two coms. differ.

Do.—C XI (Mal.), *Daśagītisūtram Bhāṣā*, by Kṛṣṇadāsa (Kṛṣṇan Āśān).

Ms. with K.V. Sarma.

Do.—C XII : See *Kakṣyāmaṇḍala* etc.

Azhvāñceri Tamprākkaḷ, (18th cent.), son of Nilakanṭha's brother. While several mss. mention Āzh. as the author, a lone ms. (C. 2197-A, *Joytiśāstrasāṅgraha*) mentions Kaypañceri Tamprākkaḷ instead, in the post-collophonic statement.

Azhvāñceri Tamprākkaḷ (contd.)

- Jātakasārasaṅgraha*
- C (Mal.) on Do.
- Jātakānūtimārga*.
- C (Mal.) on Do.
- Jyotiśśāstrasāṅgraha*
- C (Mal.) on Do.
- Phalasārasamuccaya*
- C (Mal.) on Do.
- C (Mal.) on *Muhūrtapadavī* II
- Saṅgrahasādhana-kriyā*
- C (Mal.) on Do.

Ref. *Ker. Astro.*, pp. 71-72, § 57 ; Va. II. 123-27.

Īṭakkāṭṭu or Eṭakkāṭṭu Kukkaṇiyāl (17th cent.), pupil of Panakkāṭṭu Nampūtiri (au. of *Praśnamārga*).

—*Praśnarīti* II (Mal.):

Ref. *Ker. astron.*, p. 67, § 43 ; Ul. III. 235-37 ; Ul. Sup. I. 536 ; Va. III. 405.

Īṭakkāṭṭu Nampūtiri : See under Panakkāṭṭu Nampūtiri.

Īṭakramañceri Nampūtiri (17th cent.) ; of Peruñcellūr village ; pupil of Dāmodaran Nampūtiri of Maṅgalaśśeri house.

—*Bhadrādīpagaṇita* (Mal.)

—*Bhūgolañāyam* (Mal.)

Ref. *Ker. Astro.*, p. 66, § 43 ; Ul. III. 232-34 ; Ul. Sup. I. 534.

Īñcakkāzhvā Mādhava : See under Mādhava II.

Uccanīcadigaṇita (kar.), (Mal. prose).

Ms. 13194-B.

Uccadibalanayanam (kar.), (Mal. prose).

Ms. C. 2197-E.

Uḍugaṇaphalam (astrol.), Anon.

Ms. 3671-F.

Do.—C (Mal.), Anon.

Ms. 3671-F.

Uḍujatakodaya (jā.), Anon., (Ker. ?).

Beg. gaṇeśavāgdaivataviṣṇuśaṅkarān
inendubhaumajñagurūśanaśśanin /

BIBLIOGRAPHY OF AUTHORS AND WORKS

13

Uḍujātakodaya (contd.)

ॐ praṇamya pātocagṛhāṁśca sadgaṇān
udāharīṣyāmy Uḍujātakodayam //

Mss. 1004-A, 10627-B, 13478-G, C. 1912-D, CM. 118-E, L. 690-D, L. 864-B, P. 876-I, P. 900-B.

Do.—C (Mal.), Anon.

Ms. 1004-A, 10627-B, CM. 118-E, P. 876-I, P. 900-B.

Udayadivākara (Ker. ?), (before, A.D. 1073, his epoch).

—C on an unidentified work of Jayadeva.

—C *Sundarī* on *Laghubhāskariya* of Bhāskara I.

Ref. *Ker. Astro.* pp. 45-46, § 8; K. S. Shukla, 'Jayadeva, the mathematician', *Gaṇita*, (Lucknow), 5 (1954) 1-20.

Uparaga : See also under *Grahaṇa*—.

Uparāgakriyākrama I (ecl.), by Acyuta Piṣārati, A.D. 1592, in 4 chs., 175 gr.

Mss. See *Ker.*, I. p. 100. Ref. *Ul.* II. 323.

Do.—(Mal.), Anon., 425 gr.

Beg. gurūṇām caraṇāmbhoja etc. ; tithiye pratyakṣamākkinta pramāṇam.

Mss. 404-B, 13389-D, C. 173-E, C. 531-B, C. 628-B, C. 541-C ; Mad. Mal. D. 216. Ref. *Va.* II. 682-83 (where it is wrongly described as the com. Nārāyaṇa's *Uparaga*°).

Do.—C (Mal.), *yukti* of certain sections, Anon.

Ms. With K.V. Sarma.

Uparāgakriyākrama II (ecl.), by Nārāyaṇa, in 5 chs., 300 gr. ; epoch A.D. 1561.

Mss. See *Ker.*, I. p. 100 ; Mad. Ref. *Sen.*, p. 150 ; *Ul.* II. 121 ; *Ul.* Sup. I. 222 ; *Va.* II. 683.

Do.—C (Mal.), Anon. (300 gr.).

Ms. 770-B ; C. 531-B. Ref. *Va.* II. 683-84.

Uparāgakriyākrama III (ecl.), Anon., acc. to Nīlakaṇṭha Somayājī.

Beg. puṣpavantau namaskṛtya 'Nīlakaṇṭhokta-vartmanā' /
anyo vilikhyate kaścid Uparāgakriyākramah //

Ms. 5862-C. Ref. *Ul.* Sup. I. 222-23.

Upaiāgaviṃśati (ecl.), Anon., 60 gr., by Acyuta Piṣārati (?)

Beg. puṇyaghnāt khaṇḍaśeṣād vitatba-bṛtalavādy ūnitaḥ khaṇḍa-
śeṣo.

Ms. Trippunithura Skt. Col. 1075. Edn. Rama Varma Maru
Tampurān, *Śrī Ravi Varma Skt. Granthāvali*, (Trippuni-
thura), 2 (1954) i-iii, 16 pp. Ref. Ascription of
authorship, on the authority of Puliyoor Pūrushottaman
Nampūtiri, Intro., to the *Sūryasiādhana*, (Trivandrum,
1125 M.E.), p. x.

Do.—C (Mal.), Anon.

Beg. sūryagrahaṇam tān somagrahaṇam tān raṇṭālonnu.

Ms. Trippunithura Skt. Col. 1075. Edn. Rama Varma Maru
Tampurān, with text, above.

Uparāgāṣṭaka (ecl.), Anon., 20 gr. Epoch : Kali 1703,790, A.D.
1563 :

Beg. 'nālosau gānasampad'-virahitadivasād.

Mss. 5817-A, C. 173-K.

Do.—C (Mal.), Anon.

Beg. anantaram Uparāgāṣṭakattinte bhāṣa camekkunna ācāryan
sūryendukkaḷuṭe grahaṇatte ... nālosau.

Ms. C. 173-K.

Do.—C (Mal.), Anon., 175 gr.

Beg. anantaram sūryacandranmāruṭe grahaṇatte gaṇikkum pra-
kāram collunnū—nālosau.

Ms. 5817-A.

Rtutpattiphalam (astrol.), Anon., 30 gr.

Beg. sūrye vyādhisamr...somavāre patipriyam /
(bhaume) duḥkham avāpnoti budhe putrasamāgamam //

Ms. PM. 4077-E.

Ekaviṃśatipraśnakrama (arith.), Anon., (Mal.).

Beg. yaḥ sūryācandraṇetraḥ saridadhipasutātūṅgavakṣojalagnaiḥ

Ms. C. 541-D. Ref. Ul. III. 239-40.

Eñcuvati (arith.) (Mal.), Anon.

Mss. See *Ker. Mal.*, pp. 23-24.

Īṭakkāṭṭu Kukkaṇiṭāl : *See under Īṭakkāṭṭu Kukkaṇiṭāl.*

Kakṣyāḍi-sphuṭa-gaṇitam (?) (kar.), (Mal.), Anon.

Ms. 151-D (inc., 70 gr.).

Kakṣyāpratimaṇḍalādi-śloka-yukti (on *Āryabhaṭīya*, Kāla., 17-21), (astron.) Anon., 135 gr.

Beg. aṭha sūryendvor madhyamāt sphuṭasya mandaphala-saṁś-kārāḍ bhedo bhavati / kujādinām etc. / tatra pratimaṇḍala-kalpanām sārḍhābhyām āryābhyām kathayati—kakṣyāprati-
maṇḍalagā etc. /

Mss. 8358-F ; IO. 6301 (*Golasūra* etc.), ff. 4b-11b.

Kaṭapayādi-saṅkhyāḥ (astron.).

Ms. Ad.

Do.—C, Anon.

Ms. Ad.

Kaṇakkatikāram (arith.), (Old Mal.), Anon.

Beg. paṇakkarinākamiṭum paṭarcaṭaiccivanu polum
piṇakkaruṭāta celvam peruma cernnoḷiviḷaṅkum /
Kaṇakkatikāram ennum kavita kaṭṭiyampuvānāy
tuṇaikka nalkarimukatton tuyarkeṭṭeḷintu vante //

Mss. *See Ker. Mal.*, p. 25. Ref. Ul. II.478. *See also Gaṇitanal*
to which this work seems to be related textually.

Do.—C (Mal.), Anon.

Mss. *See Ker. Mal.*, p. 25.

Kaṇakkucodyam (arith.), (Mal.), Anon., 15-16th cent.

Ref. Ul. II. 480.

Kaṇakkuśāstram I (arith.), (Mal.), by Kṛṣṇadāsa (Koccu-kṛṣṇan
Āśān).

Ref. *Ker. astron.*, pp. 74-75, § 65 ; Ul. III.524.

Kaṇakkuśāstram II (arith.), (Mal.), Anon.

Ref. Ul. II. 479-80.

Kaṇakkusāram I (arith.), (Mal.), by Nilakanṭha, 16-17th cent. (?)
1250 gr.

Kaṇakkusāram I (contd.)

Beg. eṇāṅkaśekharasutam gaṇanāthamettam
vandiccu vaṇiye vaṇaṇṇi harim gurum ca /
nānāmuniṇ tozhutukoṇṭu Kaṇakkusāram
nere cameppatinu sāmpratam ārabhe ṇān //

Mss. C. 2085-C ; CM. 630. Ref. Ul. II.478-79 ; Ul. Sup. I. 226-27 ; Va. IV. 276.

Do.—C (Mal.), by the au. himself.

Ref. Ul. II. 478-79.

Kaṇakkusāram II (arith.), (Mal, verse), Anon.

Ms. T. 874.

Do.—C (Mal.).

Ms. T. 874.

Kaṇaśśappanikkar

—C (Mal.), *Horāphalaratnāvali* on *Horā*, (apocryphal).

Karaṇam (?) (kar.), Anon., epoch A.D. 1734, 75 gr.

Beg. 'calanastutisankby'onam divasagaṇam dhidaśodhanaiḥ kulī-
nāṅgaiḥ.

Ms. C. 2470-C.

Karaṇadarpaṇam (kar.), by a Bhāradvāja brāhman.

Beg. haripādāmbujam natvā Bhāradvājo dvijottamaḥ /
laghupūrvasphuṭopāyam vakṣye Karaṇadarpaṇam //

Mss. 597-D, 12367-D, E.

Do.—C (Mal.), Anon.

Mss. 597-D, 12367-D.

Do.—C (Mal.), Anon.

Beg. taveghnādi-khaṇḍaśṣatte tāpam koṇṭu guṇiccu sudevanek-
koṇṭu hariccāl varunna phalam rāṣi.

Ms. 12367-E.

**Karaṇapaddhaṭi (kar.), by Putumana Somayāji of Śivapura (Trichur),
10 chs., 300 gr.**

Mss. See *Ker.*, I. p. 120 ; *Ad.*, *Mad.*, *NCC* I. 174. Edn. *TSS*,
No. 126 ; *Gov. Or. Ser.*, *Madras*, No. 98, with two Mal. C-s.

Ref. *Raja*, 164 ; *Sen*, pp. 104-5 ; Ul. II.107-8 ; Va. I. 529-31.

Karaṇapaddhati (contd.)

Do—C I (Mal.), Anon.

Beg. Nūtanagr̥ha-Somasutā..... / aviṭe ācāryan prabandhatte camappān tuṭaṇṇunneṭattu...

Mss. See Intro. to Madras edn. ; Edn. See above.

Do—C II (Mal.), Anon.

Beg. Nūtanagr̥ha-Somasutā ... / Karaṇapaddhatiyākunna granthatte camappān tuṭaṇṇunna ācāryan...

Mss. See Intro. to Madras edn. Edn. See above. Ref. Ul. III. 238-39.

Do—C III (Mal.), Śakābdasamskarakriyā, on verses I. 12-13, Anon., 100 gr.

Ms. 5820-C. Edn. App. pp., 307-11, to the Madras edn., above.

Karaṇasāra (kar.), by (?Śaṅkara Vāriyar), pupil of Nīlakaṇṭha Somayāji and Dāmodara ; 4 chs., 135 gr. Epoch : *anūnajiñānasādhyā*, Kali day 17,00,000, A.D. 1553.

Beg. ābhātyadvayadantāḍhyam... (1); jayanti mānsāmbhoja... (2); Śri-Nīlakaṇṭham ācāryam Śrīmad Dāmodaram gurum / praṇāmya likhyate kiñcid gaṇitam sulaghukriyam //

Do—C (Mal.), *Kriyākrama* by Śaṅkara Vāriyar.

Mss. C. 8-B, C. 173-J. Ref. Ul. II. 474.

Karaṇāmṛta (kar.), by Citrabhānu, A.D. 1550, 4 chs., 120 gr.

Mss. C. 1380 A, B ; T. 734 ; NCC I. 176.

Do.—C I Anon., 900 gr.

Beg. śivam dadyācchivo mahyam etc. // tatrāḍau tāvad Ācāryaḥ Karaṇāmṛtam nāma prakaraṇam cikirṣuḥ....

Mss. C. 1380-B, T. 734.

Do.—C II, Anon., 1000 gr.

Beg. śivam dadyāc chivo mahyam etc. / vāgiśvarim praṇāmyāham gurumścārkādikān grahān / prārabhe Citrabhānūktam vyākhyātūm Karaṇāmṛtam //

Ms. C. 1380-B.

Bibl. Astro., 3

Karaṇottama (kar.), by Acyuta Piṣāraṭi, 5 chs., 150 gr.

Mss. See *Ker.*, I. p. 120 ; *Mad.* ; *NCC* I. 176. Ed. *TSS*, No. 213.

Ref. *Ul.* II. 323-24.

Do.—C I by the au. himself, 400 gr.

Beg. atha iṣṭadevatānamaskārapūrvakam cikīrṣitam pratijānāti—
pranīpatya etc.

Mss. See *Ker.*, I. p. 120 ; *Mad.* ; *NCC* I. 176. Ed. *TSS*, No. 213.

Do.—C II (Mal.), Anon., by a Kerala brāhman.

Beg. anantaram Karaṇottamattinte bhāṣayuntākkuvān tuṭaṇ-
ṇunṇū.

End : Acyutan tān camaccuḷḷa Karaṇottamakasya tu /
bhāṣāvyaḅhyānam unṭakki Keraliyo dvijottamaḥ //

Ms. with K.V. Sarma.

Karmadīpikā I : Name of C by Parameśvara I on the the *Mahā-
bhāskariya* of Bhāskara I.

Karmadīpikā II : Name of C by Nārāyaṇa I on *Līlāvatī* of
Bhāskara II.

Kalidinadigaṇitam (?) (kar.). (Mal.), Anon., 140 gr.

Beg. dhījagnnūpuram koṇṭu kalyabdatteperukkiyāl /
tatsamena hariccuḷḷa phalaṇṇal divasaṇṇaḷam //

Ms. 11064-A.

Kalacakradaśānayanam (jā.), Mal. prose, Anon., 20 gr.

Ms. 3631-D.

Kalacakradaśānirṇaya (astrol.). Ms. L. 336-F (inc.)

Do.—C (Mal.). Ms. L. 336-F (inc.).

Kaladīpa (astrol.), by Vasudevasvāmi.

Beg. vande'mbujaprabhākṣam mābhūbhyām cārutaram yutam /
lasannāge'sucan saktam amlānam kṣaravarjitam //

Mss. L. 1379-C, D ; *Mad.* R. 5158 (b). Ref. *Va.* III. 392-94.

Do.—C. by Śyāmalavāraṇarāja, a prince.

Mss. L. 1379-C ; *Mad.* R. 5158 (b). Ref. *Va.* III. 392-93.

Kāladīpaka I (muh.), by Śāṅkaran of Nampūtiri of Mahiṣamaṅgalam.

I : shorter version (Mal. title : *Cēṭiya Kāladīpakam*).

Mss. See *Ker. Mal.*, pp. 29-31.

Do.—C I (Mal.), Anon. Mss. 151-C, 935-D, 19842-B.

Do.—C II (Mal.), Anon., 850 gr. Ms. 3630-C.

Kāladīpakā II (muh.), by Śāṅkaran of Nampūtiri of Mahiṣamaṅgalam. Longer version (Mal. title : *Valiya Kāladīpakam*).

Mss. See *Ker. Mal.*, pp. 31-32. Edn. With auto-com, See below.

Do.—C *Bālaśāṅkaram* (Mal.), by the author himself.

Mss. See *Ker. Mal.*, p. 32. Edn. *Sri Vanchi Setu Lakshmi Series*, Nos. 6, 13, 15, Trivandrum.

Kāladīpikā (astrol.), Anon.

Ms. Vaṭavarkkoṭṭu Mana, Venkitangu, List I, 14.

Do.—C (Mal.), Anon. Ms. Vaṭavarkkoṭṭu Mana, Venkitangu, List I, 14.

Kālaprakāśikā (astrol.), (Mal.), Anon., pupil of Pūrṇaprabodha ; 2 pts., 340 gr.

Beg. arkabimbamakame vasiccukoṇṭ ittrilokamatil ātmatejasā /
satkriyādyakhilakālabodhadam cakrapāṇiye vaṇaṇṇiṭunnu nān //

Pūrṇaprabodha-mukhasadguṇa-madgurūṇām

pūrṇaprasāda-paramāśrayavaibhavana / /

bālaprabodhamatināy adhunā Muhūrta-

, Kālaprakāśika curukkiyatāy camappān //

Mss. 12686-E ; Pāliyam List, 621.

Kālārpaṇam : See *Laghukālārpaṇam*.

Kujādīpaṅcagraha-mahāvākya or *Samudravākya* (kar.), (Ker. ?)

2075 mnemonic sentences of the cyclic tables of planets, Anon. 750 gr.

Mss. See Intro., pp. v-vi of *Vākyaṇṇa*, ed. T. S. Kuppanna Sastri and K. V. Sarma, K. S. R. Inst., Madras, 1962 ; L. 893-A, T. 510 ; Edn. *Ibid.*, App. III, pp. 135-249. Ref. For their application in the computation of true planets, see *ibid.*, Intro., pp. xvii-xx ; 258-60.

Kujādisphutagaṇitam (kar.), (Mal.). Ms. 151-D.

Kujādisphutasamskāraḥ (kar.), Anon. Ms. 14039-A.

Do.—C (Mal.), Anon. Ms. 14039-A.

Kuṭṭākārādigaṇita (math.), Anon., 350 gr.

Beg. *atha kuṭṭākārādikriyām āha.*

Ms. 14076-D, L. 1337-B.

Kumāra-gaṇaka, (14th-15th cent.), a protege of Devaśarmā, br. of Govinda, possibly of the royal brāhman family of Ampalappuzha.

—*Raṇadīpikā.*

Ref. *Ker. Astron.*, p. 50, § 20 ; *Ul. II.* 112-13 ; *Va. II.* 725-29.

Kṛṣicakraṇṇal (nat. astrol.), (Mal.), Anon.

Ms. 10856-G (with diagrams).

Kṛṣṇa I or *Kṛṣṇācārya*, (c. 1200), an early and highly popular author q. by Govinda Bhaṭṭa (1237-95).

—*Cintajñāna* or *Kṛṣṇīya*

—*C Kṛṣṇīya* on *Horā*

Ref: *Ker. Astron.*, p. 47, § 12 ; *Ul. I.* 169-70.

Kṛṣṇa II, (diff. from *Kṛṣṇadāsa*, below).

—C (Mal.) on *Āryabhaṭīya*

Ref. *Ker. Astron.*, p. 70, § 53.

Kṛṣṇadāsa (*Kṛṣṇan Āśān* or *Koccu-Kṛṣṇan Āśān*), (1756-1812), of Neṭumpayil house near Tiruvalla.

—*Kaṇakkuśāstra* (Mal.)

—*Pañcabodha VIII* (Mal.)

—C (Mal.), *Daśagītisūtram-bhāṣā* on *Āryabhaṭīya*, *Gitikā-pāda.*

—C (Mal.), *Bhaṣājātakapaddhati* on the *Jātakapaddhati* of Parameśvara

Ref. *Ker. Astron.*, p. 74-75, § 65 ; *Ul. III.* 519-27 ; *Ul. Sup.* 647-48 ; Intro. to the edn. of *Bhāṣa-jātakapaddhati.*

Kṛṣṇan Āśān : See *Kṛṣṇadāsa.*

Kṛṣṇa-śiṣya, (c. 1200).

- *Praśnaphalaprāptikalanirṇaya*
- *C on Horā*

Ref. *Ker. Astron.*, pp. 47-48, § 13.

Kṛṣṇīya or *Cintājñāna* (astrol.) : See *Cintājñāna*.

Keralajyotiṣa (astrol.), by Acyuta I : See under *Devakerala*.

Kerala-dvādaśabhāvaphalam I (astrol.), Anon., (Ker. ?), in verse.

Beg. lagnādhipo vā jivo vā śukro vā yadi kendragah /
tasya putrasya dīrghāyur dhanavān rājavallabhaḥ //

Ms. 4853-B (inc., only 10 of the 11 sns.).

Kerala-dvādaśabhāvaphalam II (astrol.), (Ker.?), Anon., in prose,
apparently a prose redaction of the above work. Ms. 4854.

Kerala-dvādaśabhāvavākyaṇi (astrol.), (Ker. ?) by Vararuci, 12 chs.,
in prose, 150 gr.

Beg. Kerala-dvādaśabhāvavākyaṇi likhyante. dehassthānādhipaḥ
ṣaṣṭāṣṭama-vyaya-sthānādhipaś cet dehasaukhyam bhavati.

Col. Iti Keraliya-Vararucivākyaṇe ... dvādaśodhyāyaḥ. Kerala-
Vararuci-prokta-Bhāvaphalam.

Ms. 4853-A. Ref. *Ul. Sup. I.* 228.

Kerala-Nāḍigrantha (astrol.), by Keralācārya. Men. Va. IV. 255.

Keralanirṇaya or *Jātakarahasya* : See under *Vararuci-kerala*.

Kerala-Praśnasāra (pra.) by Keralācārya.

Men. Va. IV. 255.

Kerala-rahasya by Acyuta I : See *Devakerala*.

Kerala-saṁhitā (nat. astrol.), by Keralācārya.

Men. Va. IV. 255.

Keralācārya, (12 cent. ?), of the Kāśyapa gotra, native of Trichur ;
said to be an authority on Jyotiṣa and Āyurveda and minister of
— the Kerala king Rāma Varmā (?). Or, is he only an apocryphal
author ?

Keralācārya (cont.)

- Kerala-nāḍigrantha*
- Kerala-Praśnsāra*
- Keralīya-Praśnamārga*
- Keralasamhitā*

Ref. *Ker. Astron.*, pp. 46-47, § 10; Ul. I.164; Va. IV. 255-56.

Keralīya-dviija, real name not known.

—C (Mal.) on *Karaṇottama* of Acyuta Piṣṭaṭi.

Ref. *Ker. Astron.*, p. 70, § 54.

Keralīya-Praśnamārga (pra.), by Keralācārya.

Men. Va. IV. 255.

Koccu-Kṛṣṇan Āśān : See Kṛṣṇadāsa.

Kriyākramakarī, names of two commentaries, both by Nārāyaṇa, on the *Līlāvatī* of Bhāskara II.

Kriyāsaṅgraha I (kar.), Anon., in six sns., on the computation of *śraddha*, *sthālipāka*, *kalyabdādi*, *cakrārtha*, *chāyā* and *grahaṇa*, 300 gr.

Beg. śraddhāpurassaram natvā grahān api gaṇeśvaram /
śraddhacandrādigaṇana-Kriyāsaṅgraha ucyate //

Mss. C. 621-D, C. 2470-D. Ref. Va. II. 685-86.

Do.—C I, *Kriyāsaṅgrahakriyāmārga*, Anon., 1650 gr.

Beg. gurudhyānena sambandhabṛdayāmburuham mayā /
Kriyāsaṅgraha-samproktam kriyāmārgam vilikhyate //

Mss. 1093, 12804-B, T. 139, T. 140-A.

Do —C II (Mal.), Anon. Ms. 844-D.

Kriyāsaṅgraha (?) II (kar.), (Mal.), Anon.

Beg. candrārkaḥyoge nālañcu patinonniha pattapi /
rāśi vannāl annu cintyam lāṭavaidhṛtadoṣakau //

Ms. T. 140-B (inc., 500 gr.).

[Kṣudrapraśna (pra.)]

—C (Mal.), Anon., 70 gr. Ms. 10512-C-3.

Khaṇḍajyādi (kar.), miscellaneous sine tables etc., Anon.

Ms. L. 1242-B (120 gr.).

Khaṇḍadhruvādyāyananam (kar.).

Ms., C. 2197-K, L. 1221-C (70 gr.),

Khaṇḍadhruvāyananam I (?) (kar.), (Mal.), Anon.

Beg. ini dṛkkile khaṇḍavam dhruvavum uṇṭakkum prakāratte collunnū.

Ms. L. 1221-C-1 (18 gr.)

Khaṇḍadhruvāyananam II (?) (kar.), (Mal.), Anon., 45 gr.

Beg. iṣṭadivasatte kali vaccu amitayavotsu' a ennu vānni ...

Ms. C. 2197.

Gaṇanakriyādi (?) (kar.), (Mal. verse), Anon. Ms. CM 530-D.

Gaṇita : See also under *Grahagaṇita*, *Grahaṇagaṇita*, *Candracchāyāgaṇita*, *Chāyāgaṇita*, *Vyatipātādigāṇita* etc.

Gaṇita I (?) (kar.), Anon., Misc. calculations and tables.

Ms. 333-B (200 gr.).

Gaṇita II (?) (kar.), misc. calculations and tables. Ms. 1170-B (200 gr.)

Gaṇitakrama, (kar.), Anon. Mss. Cranganore Palace, 65, 177.

Gaṇitakriyā (?) (kar.), Anon., misc. computations; epoch A.D. 1527.

Beg. 'dhīpatirnaṭatuly' onam śivadūtāhatam dinam.

Ms. C. 531-C (inc., with C, 500 gr.). C. 1954-I (inc., 210 gr.).

Rem. Some of the procedures have been adapted from the *Veṇvāroha* of Mādhava.

Do.—C (Mal.), Anon. Ms. C. 531-C (inc., 500 gr. with text).

Gaṇitagrantha I (kar.), by Panakkāṭ or Iṭakkāṭ Nampūtiri, A.D.

1671. Mss. Not identified. Ref. Ul. III. 88 ; Va. III. 401:

Gaṇitagrantha II (kar.), by Putumana Somayāji (?)

Beg. madiyahṛdayākāśe cidānandamayo guruḥ /

udetū satatam samyag ajñānatimirāruṇaḥ //

pātonāt svamṛdusphuṭād bhujagaṇaḥ kṣiptāntyayā tadītaḥ

Ms. Mad. R. 5151 (c).

Gaṇitagrantha II—C. Anon.

End : asyārthaḥ—kujasya dve kale madhyama-bimba-kalāmānam /
 budhasya tisraḥ kalāḥ / guros sārthās tisraḥ / śukrasya
 catasraḥ kalāḥ / śaneḥ dve kale, daśa vikalās ca hi (?) /
 tā vyāsārdhahatāḥ svacaturdha-karṇahṛtād bhaumādinām
 sphuṭabimba-kalāmānāni syuḥ //

Ms. Mad. R. 5151 (c).

Gaṇitadarpaṇa, (*i* *Siddhāntadarpaṇa*) (siddhānta), by Nilakanṭha
 Somayāji, 45 gr.

Ms. *List of mss. collected by the Curator for the Pub. of Skt. mss.*, Trivandrum, App. to the *Annual Adm. Rep of the Travancore State*, M.E. 1104, no. 75.

Gaṇitanūl (arith.), (Old Mal.), Anon.

Beg. Maṇi nī keḷ pūmitoyavāyuvākāśam ennum
 maṇitikeḷanattamāti arimporuḷakinnu /
 tuṇayillātoruvan tanne tozhutu ṇān
 talanirkkoṇṭa Gaṇitanūl atinecconnān //

Ms. CM. 566-A. Rem. This work is related to *Kaṇakkatikaram*, textually.

Gaṇitanyāyasaṅgraha : See *Yuktibhāṣā*.

Gaṇitam Bhāṣā I (astron.), (Mal.), Anon., 500 gr.

Beg. Gīrnaḥ śreyah

End divasāgararatnāni deśāntaravilīptikāḥ /
 ādityacandratuṅgānām vikalādi puroktavat //
 Gaṇitabhāṣā samāptā.

Ms. 935-C.

Gaṇitam Bhāṣā II (astrol.), (Mal.), Anon.

Beg. sāyanārkaneyenṇunna prakāram atha collinen /
 antikkekkū gaṇikkenṇam śrāddham saṁśayamākilo //

Ms. 12367-C.

Do. III : Mss. 1416-E (verse, inc., 450 gr.)

Do. IV : „ 5076-B (mixed, inc., 4800 gr.)

Do. V : „ 5109-B (prose, inc., 80 gr.)

Do. VI : „ 5815 (mixed, inc., 400 gr.)

Do. VII : „ 5820-B (mixed, inc., 240 gr.)

Gaṇitam Bhāṣā (contd)

- Do. VIII : „ 12367-C (mixed, inc, 225 gr.)
 Do. IX : „ T. 149 (mixed, inc., 1000 gr.)
 Do. X : „ T. 251-A (mixed, inc., 230 gr.)
 Do. XI : „ T. 897 (mixed, inc., 700 gr.)
 Do. XII : „ PM. 4345-B (mixed, inc., 19 gr.)
 On the above See *Ker. Mal.*, pp. 47-48.

Do. XII (kar.), Anon. ; epoch : Kali 16,89,131, A.D. 1523.

Beg. 'paulastyādhirhitāy'onita-kalidivase prastragorājyabhakte
 etc. ; dhanyā ramā sā etc. ; koḷambam taraṅgāḍhyam etc.

Ms. PM. 4043-B.

Gaṇita-yuktayaḥ (astron. rationale), by a Bhāradvāja brāhman.

Beg. viditvāryabhaṭaprokta-golatattvena kenacit /
 Bhāradvājena tanyante kāścid gaṇitayuktayaḥ //

Mss. 755 ; Mad. Mal. D 339, pp. 83-89 ; Cranganore Palace,
 no. 242.

Gaṇita-yukti (math.-astron. rationale).

Beg. vande gaṇdataṣasravanmadadhuni etc.
 gurupādāmbujam natvā dhyātvā sām̐baṣivam mayā /
 likhyate gaṇitam kṛtsnam grahagatyupayogi yat //

Ms. Mad. R. 4382. Ref. For Mal. version, see *Yuktibhāṣā* ;
 Ul. III. 440 ; Ul. Sup. I. 616.

Gaṇitavākyaṇi (kar.), Anon. Ms. L. 893-A.

Gaṇitṣaṅgraha : Alt. title for Pt. I of *Jyotiṣśāstrasaṅgraha* of
 Azhvāñceri Tamprakkal.

Gaṇitasāra I (kar.), (Mal.), Anon.

End. of Ch. I : tekkum kollattu vāṇijyā agnindhram tiruvallabhe /
 ...tatra tatra tu keṭṭiṭṭu pūrvācāryoktam ācaret //

Ms. PM. 4158-A.

Gaṇitasāra II or *Pañcabodha-Gaṇitasāra* (kar.), (Mal.), by
 Śaṅkaran Nampūtiri of Mahiṣamaṅgalam, in 8 chs., 1550 gr.

Mss. See *Ker. Mal.*, p. 48. Men. Ul. II. 472.

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Gaṇitasūcika, by Govinda Bhaṭṭa (?), in 6 chs.

Ms. Q by Va., but said to be missing ; possibly a fictitious work.

Men. Va. I. 530, III. 390.

Garbhalakṣaṇam (astrol.), (Skt.-Mal.), Anon.

Beg. ini ippol garbham unṭo ennarivān collunnu. lagnārūḍhañ-
ṇalil tān etc.

Ms. C. 565-E.

Girnaḥ śreyādi-Candavākyāni or *Vararuci-vākyam* (Moon mnemonic table) by Vararuci I.

Mss. See Ker. I. 212-14 (*Candrayākyam*). Edn. *Candavākyas* of Vararuci, Adyar, 1948 ; App. II, pp. 125-34 to the edn. of *Vākyakaraṇa*, Madras, 1962.

Guṇakārādipramāṇa (kar.), (Mal., prose), Anon. Ms. 4124-B.

Gurumandāḍijyāḥ (kar.), (Mal). Ms. 13445-B.

Goda Varmā. Ref. Ker. Astron., p. 78, § 75.

Goladīpikā I (spherics), by Parameśvara of Vaṭaśreṇi, A.D. 1443, 4 chs., 300 gr.

Beg. vande kiśoram pārvatyā aṅkasaṁstham gajānanam /
stanyapānaratam kalpadrumasyādho viṇāyakam //

Mss. See Intro., p. 9, to edn. ; Mad. Ed. with auto-com. and Tr., by K.V. Sarma, Adyar Library, Madras, 1957.

Do.—C *Vivṛti* by the author himself. Mss. See Intro., p. 10, to edn. ; Mad. Edn. K.V. Sarma, Adyar Library, Madras, 1957.
Ref. Va. IV. 223-24.

Goladīpikā II (spherics), by Parameśvara of Vaṭaśreṇi, 302 āryā verses in one sequence.

Beg: vighneśvaram vāgdevīm guṇān dīneśādikān grahān /
vakṣye bhūgolam asmai kṣaṇimānādikam ca laghumataye //

Mss. See Intro. to edn. Edn. TSS 49. Ref. Ul. II. 322-23, where it is wrongly described as the work of *Acyuta Piṣāraṭi*.

Goladīpikā III, (spherics), by Parameśvara of Vaṭaśreni. A highly expanded version of *Goladīpikā* II. Ms. IO 6297.

Golavṛda (spherics) by Mādhava of Saṅgamagrāma.

Ms. Elaṅkunnappuzha Kovilakam List, 20. Ref. On the loss of this ms., see note by K. V. Sarma, *Mathrubhumi Weekly*, (Mal., Kozhikode), 17.6.1956, p. 4.

Golasamsthānam (spherics), Mal. verse, Anon.

Beg. ādityāstamayodayannāḷil vidhau śṅgennatikkarkkanum /
candran pāmpoṭu kālalagnavum uṭan vacciṭṭu rāsitrayam //

Ms. PM. 4186-B (100 gr.).

Golasāra (spherics), by Nīlakaṇṭha Somayāji, in 3 sns., 56 verses.

Mss. See Intro., pp. viii-xi to edn.; Mad. Edn. and Tr. by K.V. Sarma, V.V.R.Inst., Hoshiarpur, 1970.

[*Golādhyāya* (astron.), of Bhāskara II]

—C by Vidvān Iḷaya Tampurān of Koṭuṇṇiḷlūr.

Men. Ul. IV. 34; Va. IV. 318; RNP IV. 400.

Do.—C *Jyotiṣaprakāśanam*, by Rājarāja Varmā Koyittampurān.

Ms. C. 719.

Govindakṛti (astron.), by Govindasvāmin.

Rem. Known through qns. in the works of Śaṅkaranārāyaṇa (C on *Laghubhāskariya*, under II.3, IV.9, VIII.18), Nīlakaṇṭha Somayāji (*Āryabhaṭiya-bhāṣya*, *Gaṇita*. 4, 33) and Nārāyaṇa (C *Kriyākramakari* on *Līlāvati*, I, *Trairāśika*, 3 etc.

Govinda Bhaṭṭa

—*Gaṇitasācikā*.

Men. Va. I. 530, III. 390.

Govinda Bhaṭṭatiri of Talakkūḷam, (1237-95).

—C *Daśādhyāyī* on *Horā*

—*Muhūrtapadavī* I

—*Muhūrtaratna*

Ref. *Ker. Astron*, p. 49, § 17; *Raja*, 132-33; *Ul.* I.167-69; *Va.* I. 353-59, II. 499-50; *Koṭṭārattil Śaṅkuṇṇi*, *Aitihiyamala*, Pt. I, (6th edn., Trichur, 1961), pp. 99-108.

Govindapaddhati (astrol.), by Govindasvāmin.

Ref. by Nilakaṇṭha Somayāji in his *Grahaṇādigrantha*, ms., p. 44 ; Raja, 127.

Govinda Piṣārati of Kailāsapuram house, in Vaikkom, teacher of the anon. com. on Parameśvara's *Jātakapaddhati*.

Ref. *Ker. Astron.*, p. 70, § 55.

Govindamaṅgalam Nampi, (15th-16th cent.), teacher of Mādhava of Īncakkāzhvā (au. of *Praśnasāra* I).

Govinda-śiṣya, real name not known ; native of Vaikkom.

— C on the *Jātakapaddhati* of Parameśvara I.

Ref. Ul. III. 89-90 ; Ul. Sup. I. 464 ; Va. III. 382-83.

Govindasvāmin, (c. 800-850), teacher of Śiṅkaranārāyaṇa who was court-astronomer of King Ravi Varmā at Mahodayapuram, the then capital of Kerala.

— *Govindakṛti*

— *Govindapaddhati*

— C *Prakaṭārtha* or *Sampradāyapradīpikā* on *Parāśarahora*

— C *Bhāṣya* on the *Mahābhāskariya* of Bhāskara I

Ref. *Ker. Astron.*, pp. 14-15 ; 44-45, § 6 ; T.S.K. Sastri, Intro., pp. xlvii-l of his edn. of the *Mahābhāskariya*, (Madras, 1957) ; Raja, 127-28 ; Ul. II. 96-97.

Gauliśāstram (nat. astrol.), (Mal.), by Rāma Vāriyar of Kaikkulangara. Ref. *Ker. Astron.*, p. 80, § 81.

Graha karmasaṅgraha (astron.), Anon., 60 gr.

Beg. golam jyotirmayam natvā granthair pūrvakṛtair api /
karomi bālabodhārtham Saṅgraham Graha karmāṇām //

Mss. 1025, 1050.

Do.—C, Anon., 300 gr. Ms. 1050.

Grahagaṇitam (?) I (kar.), (Mal. verse), Anon. Ms. 13034 (80 gr.)

Do. II : Ms. 13057-B (verse, 200 gr.)

Do. III : „ 13073-C (with Mal. C, 75 gr.)

Do. IV : „ 13136-D (verse, 40 gr.)

Do. V : „ 13149-J (verse, 95 gr.)

Do. VI : „ 13194-C (verse, 350 gr.)

Do. VII : „ 13294-V (mixed, 100 gr.)

Do. VIII : „ C. 555-A (verse, 500 gr.)

Do. IX : „ L. 336-A (verse, 500 gr.)

Grahacakralekhanavidhi (astron.), Anon. Ms. 12999-S.

Grahacāra I (kar.), Tables for the day-to-day reading of the planets.

Ms. 1100. Rem. For the years A D. 1845-55.

Grahacāra II (kar.), Tables for the day-to-day reading of the planets.

Ms. P? 873 (inc., 2000 gr.).

Grahacāra : See also *Aganīta-grahacāra*, *Pañcāṅga*.

Grahacāranibandhanam (kar.), by Haridatta ; the source-book of the Parahita system of Kerala, 3 sns., 150 gr.

Mss. See Intro., pp. x-xii, to the edn. of the work. Edn. K.V. Sarma, K.S.R. Institute, Madras, 1954.

Grahacāranibandhana-saṅgraha (kar.), Anon. Ms. See Intro., p. xii, to the edn. above. Edn. K. V. Sarma, as App. to the edn. above.

Grahacārāphalam (astrol.), Anon., being a summary of the *Gocārā-dhyāya* of the *Bṛhatsaṃhitā*.

Beg. Varāhamihireṇoktam Saṃhitāyām savistaram /
Grahacārāphalam yat tat saṅkṣipyātha mayocyate //
āyāso vibhavaḥkṣayo'dhvagamanam ...

Mss. C. 2259 C, D.

Do.—C I (Mal.), Anon.

Beg. janmattil sūryan— āyāsam, vibhavaḥkṣayam, saṅcāram.
rogapīḍā.

Ms. C. 2259-C.

Do.—C II (Mal.), Anon. Ms. C. 2259-D.

Grahacārāphalādinirūpaṇam (astrol.), Anon. Ms. 865-A.

Do.—C (Mal.), Anon. Ms. 865-A.

Grahaṇa (ecl.), (Mal.) Readings of a solar eclipse in A.D. 1687.

Beg (8)63-ām āṇṭu tulāmāsam 24-ām tiyati sūryagrahaṇam.
'dānto naḷo vai sevyah' ka(li).

Ms. CM. 595-I (40 gr.).

Grahaṇagaṇita I (ecl.), by Putumana Somayāji (?), in 16 verses.

Beg. madiyahṛdayākāśe cidānandamayo guruḥ /
 udetu satatam samyag ajñānatimirāruṇaḥ || 1 ||
 sūryendvor grahaṇam sphuṭam gaṇayitum ... (2) ; sūryendū
 sagatī tamaś ca... (3).

Ms. With K.V. Sarma. This work incorporates into it *Graha-
 ṇāṣṭaka* II. The two works seem to be by the same author,
 who might be Putumana Somayāji, as inferred on the basis
 of his characteristic initial verse *madiyahṛdayākāśe* etc.

Do.—C (Mal.), Anon.

Beg. madiyahṛdayākāśa iti. iprakāram guruvine prārthiccittu
 sūryendukkaḷuṭe grahaṇatte aṇivān collunnū...

Ms. With K.V. Sarma.

Grahaṇagaṇita II (ecl.), Anon.

Beg. mārtaṇḍasyoparāgam... (1) ; kṛtvā lipiāsu bhedaṁ... (2)

Ms. With K.V. Sarma.

Grahaṇagaṇita III (ecl.), Anon.; an improvement on Acyuta
 Piṣāraṭi's *Uparāgakriyākrama* in 14 verses.

Beg. sūryendvor auparāgam gaṇanam abhinavam procyate 'tr-
 Ācyutoktāt / parvānte'rkendutuṅgād... (1).

Ms. With K.V. Sarma.

Do.—C (Mal.), Anon.

Beg. sūryendvor iti. ādityaṇṭeyum candraṇṭeyum grahaṇatte sam-
 bandhiccuḷḷa gaṇanam apūrvam āyiṭṭu onnu collappeṭunnū.

Ms. With K.V. Sarma.

Grahaṇagaṇita (?) IV (ecl.), Anon., in 12 verses.

Beg. parvānte punar ūhite... (1) ; vyarkendvor bhuja... (2).

Col. iti Grahaṇakhaṇḍaḥ.

Ms. With K.V. Sarma.

Grahaṇagaṇita V (ecl.), Anon., in 10 verses.

Beg. pātārkaikya ... (1) ; vyarkendvor bhuja ... (2) ; ākṣam
 sundara ... (3).

Ms. With K.V. Sarma.

Grahaṇagaṇita VI (ecl.), Anon., 280 gr. ; epoch, Kali 1629048, A.D. 1359.

Beg. 'daivajñādhiṣṭhitārko'na-dyugaṇam sthānigokharaiḥ ...

Ms. L. 1329-B.

Grahaṇagaṇita VII (ecl.), Anon. Au, same as for *Grahaṇopadeśa*, below.

Beg. mēṣaparvāntanāḍivivararahitanighnāḥ dharānāgabhaktāḥ...

Mss. 1005-E, 12367-B.

Do.—C (Mal.), Anon.

Beg. itin poruḷ grahaṇadivasattinnāḷe udayattinnu...

Mss. 1005-E, 12367-B.

Grahaṇagaṇita VIII (ecl.), (Mal.), Anon.

Beg. kalyabdād giriśātmabhūvininatād ā candravāroditāt.

Ms. 1187-A (cata. *Grahaṇādigaṇita*) ; Mad. D. 339 (pp. 11 ff.)

Do.—C (Mal.), Anon. Ms. 1187-A ; Mad. Mal. D. 339 (pp. 11 ff.)

Grahaṇagaṇita IX (ecl.), Anon.

Ms. 13294-D.

Do.—C (Mal.), Anon., 200 gr. Ms. 13294-D.

Grahaṇagaṇita X (ecl.), Mal. verse, Anon.

Beg. grahaṇam tanne eṇṇeṇṭil collunnuṇṭu curukki ṇān /
rāhuketukkaḷoṭarkkan patimūnnatha tiyati //

Ms. PM. 4327-E (165 gr.)

Grahaṇanirḥaya (ecl.), by Nīlakaṇṭha Somayāji.

Ref. Q by the author himself in his *Āryabhaṭīya-bhāṣya*, (TSS 185, p. 102) and by others.

Grahaṇanyayadīpikā (rationale of eclipses), by Parameśvara of Vaṭasreṇi, in 85 verses.

Mss. 762-G ; M. S. Srinivasa Sastri, Palghat. Edn. and Tr. by K.V. Sarma, Hoshiarpur, 1966. Ref. Ul Sup. I. 209-10.

Grahaṇaphalādi (astrol.), (Skt.-Mal.), Anon. Ms. 6914-B.

Grahaṇamaṇḍanam (ecl.), by Parameśvara of Vaṭaśreṇi, in two versions, of 89 and 100 verses (with two addl. verses), respectively.

Ms. 339-D, 788-B, C. 166-D, CM. 333-C, L. 1248-F; with K.V. Sarma. Edn. and Tr. by K.V. Sarma. Hoshiarpur, 1965. Ref. Ul. Sup. I. 207-8.

Grahaṇādigaṇita I (ecl.), Anon.

Beg. setau gām vāturāje...

Ms. 1085-C (inc., 150 gr.)

Grahaṇādigaṇita II (ecl.), Anon.

Beg. pātāsanne kharāmśau yadi divasaniśor dṛśā pūrṇāvasāne.

Ms. 1092-F.

Grahaṇādigaṇita III (ecl.), Anon.

Mss. 12687-C (inc., 450 gr.), C. 472.

Grahaṇādigrantha (?) (ecl.), by Nilakaṇṭha Somayāji, an elaborate exposition of the tradition and rationale of eclipse computation and certain allied topics.

Ms. P. 975, latter portion; transcript with K.V. Sarma.

Grahaṇādiphalam (astrol), Anon. Ms. 6914-B.

Do.—C (Mal.), Anon. Ms. 6914-B.

Grahaṇāṣṭaka I (ecl.), by Parameśvara of Vaṭaśreṇi.

Beg. bhāsvattuṅgau prasiddhau...

Mss. 475-K, C. 166-E, L. 1248-B-1, T. 179-B; Vayaskara Illam, Kottayam, No. 339-C; Eḷamprakkottu Mana, Eḷavoor, Trippunithura. Edn. and Tr. by K.V. Sarma, K.S.R. Inst., Madras, 1959.

Grahaṇāṣṭaka II (ecl.), by Putumana Somayāji (?), 25 gr.

Beg. sūryendvor grahaṇam sphuṭam gaṇayitum vakśymy upāyam laghum ...

Mss. 1005-B, 5113-F, L. 1248-B-1. Rem. Authorship suggested on the basis of *Grahaṇagaṇita* I, which incorporates this work and has the characteristic initial verse of the Somayāji.

Do.—C (Mal.), Anon. Ms. 1005-B (inc., 120 gr.)

Grahaṇāṣṭaka III (ecl.), Anon., 25 gr., epoch, A.D. 1538. Exposition of a new method of Nīlakaṇṭha Somayāji.

Beg. kaṭākṣamālā yasyā hi kāmādāpi madhudviṣaḥ /
padmakiṇṇīlīkavarṇām tām namāmi kamalālayām //
mātaṅgavadanam natvā vāgdevīm ca gurūn grahān /
'Somasut'-sūtritāpūrvapakriyām vivṛṇomy aham //

Ms. 8058-H.

Grahaṇāṣṭaka IV (ecl.), unidentified.

Mss. C. 555-A, T. 323 (a few pages therein).

* Do.—C I (Mal.), Anon. Mss. C. 555-A, T. 323 (a few pages therein).

Grahaṇopadeśa (ecl.), Anon., in 8 verses.

Beg. kāryas sūryendu... (1); māyāparvānta... (2); grāsam
teṣviṣṭa ... (3).

Ms. With K.V. Sarma. Rem. Au. same as for *Grahaṇagaṇita*
VII (?)

Do.—C II (Mal.), Anon.

Beg. grahaṇopadesattinnu collunnū—kāryas sūryendu iti.
sūryagrahaṇam gaṇippān...

Ms. With K. V. Sarma. Note. Refers to an unidentified *Kriyā-*
krama.

Grahaṇācāśāphalam (astrol.), Anon. Ms. P. 875.

Grahaṇarīkṣakrama (astron.), by Nīlakaṇṭha Somayāji. Practical
directions for scanning the skies and computing the planets.

Beg. Gargādismṛtanakṣatṛakṣepayogakalāgatam...

End : iti saṅkṣepataḥ proktam parīkṣā jyotiṣām iha /
kālamānacatuṣkasya śrutasya vivṛtis tv iyam //

Edn. Q. in full in the au.'s *Aryabhaṭīyabhāṣya*, under Gola. 48,
(TSS 185, pp. 132-49).

Do.—C. (Mal.), Anon.

Beg. bhagaṇaparidhyādikaḷakunna avattinnu oro ācāryanmār
ororiṭattu oro prakāram collikkiṭakkunnu.

Ms. With K. V. Sarma. Edn., in an adapted form, by P. S.
Purushottaman Namputiṛi, Astr. Res. Inst., Bombay 25,
1950.

Bibl. Astro. 5

Grahabalādyānayanam (astrol.), (Mal. prose), Anon. Ms. L. 765-B.

Grahabhāvaphala (?) (astrol.), (Mal. verse), Anon.

Beg. pīttam jvaram śīrasi...muṇivum ciraññum /
pāḍakṣirogam udarasya ca raktadoṣam //
rājāricoraripuśastracatuṣpadānām /
kuṣṭham mahodaram apasmṛti sūryabhānau //

Ms. PM. 4077-A.

Grahamadhyamānanayanam (?) (kar.), (Mal. prose).

Beg. kali vaccu khaṇḍiccu raṇṇeṭṭattu vaccu onnine paṭu koṇṭu
perukki...

Ms. L. 765.-B (inc., 35 gr.)

Grahasamaya : See *Ankaśāstra*.

Grahasṭhīṭhaphala I (astrol.), Anon.

Beg. atha grahāṇam svabalābalavaśāt jātayontibhāga (?) kriyate.
prathamam tatra ja...yājanam āha— iṣṭakaṣṭhaphala etc.

Ms. CM. 565-G.

Grahasṭhīṭhaphala II (?) (astrol.), Skt.-Mal., Anon.

Beg. bahiṣṭhasvarkṣasamstheṣu nīcageṣūccageṣu vā /
sarveṣūpacayastheṣu caturṣv ekarkṣabheṣu vā //

Ms. PM. 4321-B.

Grahasphuṭa I (kar.), Mal. verse, Anon. Ms. T. 255.

Grahasphuṭa II (kar.), Skt.-Mal., Anon. Ms. 13041-C.

Grahasphuṭaparilekhaḥ (?), (astron.), Anon., in 6 verses.

Beg. draṣṭa kendrasthitaś ced ... (1); svocavyāsārdhavarītam
prathamam abhīlikhed ... (2)

Ms. With K.V. Sarma.

Grahasphuṭavākyaṇi I (?) (kar.), Anon. Ms. 3638-B (100 gr.)

Grahasphuṭavākyaṇi II (?) (kar.), Anon. Ms. 5809 (1000 gr.)

Grahasphuṭānayanā I (kar.), Mal. verse, Anon.

Beg. ādityasyodayattinnum madhyāhñāntattinnum tathā /

Ms. T. 255 (inc., 450 gr.)

Grahasphuṭanayana II (kar.), Mal., Anon.

Beg. guṇakāraḥ kulam bhānor bhājako gotragāyakah |
Ms. PM. 4331-A.

Grahāriṣṭa (astrol.), Anon. Ms. 13294-P.

Grahāvasthādivicāra (astrol.), Mal. verse, Anon. Ms. 5109-I.

Ghaṭīgopa, disciple of Parameśvara and devotee of God Padmanābha of Trivāṇḍrum, c. 1800.

—C on *Āryabhaṭīya* (Skt.)

—C on *Āryabhaṭīya* (Mal.), version I

—C on *Āryabhaṭīya* (Mal.), version II

Ref. See above, pp. 77-78. § 74 : Ul. III. 233-34 ; Ul. Sup. I. 535.

Caturasundarī : Name of C on *Cintājñāna*.

Candrakalanāḍī (astrol.), by Acyuta : See *Devakerala*.

Candrakriyā (kar.), Skt.-Mal. prose, Anon. Ms. 5806-A.

Candraganita (kar.), Mal. verse. Anon.

Beg. candrane sūkṣmamāyitṭu gaṇippān iha collinen /
abargaṇatte vacciṭṭānniṣṭakālattinākkīyal //
tatparāntam madhyamaññaḥ varuttū candratuṅgayoh /

Ms. PM. 4368-G (75 gr.)

Candraganītakrama (kar.), (Mal.), by Śaṅkaran Nampūtiri of Mahiṣamaṅgalam.

Mss. PM. 4078-A, T. 251-B. Ref. Ul. II. 473.

Candragrahaṇita (kar.), Mal. verse, Anon., 60 gr. Ms. L. 765-C.

Candrachāyāṇita I (kar.), by Parameśvara of Vaṭaśreṇī.

Beg. himaraśmicchāyāṇitam vakṣye hitāya daivavidām /
Āryabhaṭa-śāstrasiddham drkkarmadvitayapūrvakam //

Ms. 475-I (inc., 60 gr.)

Candrachāyāṇita II (kar.), by Nīlakaṇṭha Somayāji.

Beg. sūryendutuṅgapātau ca tadānim ayanāmsakān /
taddeśākṣam ca nirṇiya gaṇyatām śaśinaḥ prabhā //

Mss. 475 (f. 65), 5862-B, 5867 (ff. 173-77) ; Mad. R. 5185-(b).

Ref. Va. III. 391-92.

Candracchāyāṇita II (contd.)

Do.—C, by the author himself.

Ms. 5862-B (copied in Mad. R. 5185-b). Ref. Va. III. 391-92.

Candracchāyāṇita III (kar.), Anon.Beg. nārṣā(?) lamūrtitvenūdyē'tra tu... / arkendutunṅapātau ca
nitvā kuryād...

Ms. L. 1167-C (inc., with Mal. C., gr. 10).

Do.—C (Mal.), Anon.

Beg. ...kal pratipadam āyi oḷḷa pakkaññaḷe eraṭṭippatu...

Ms. L. 1167-C.

Candracchāyāṇita (?) IV (kar.), Mal., Anon., 40 gr.Beg. candracchāyakku collunnen tatkālārkkane veccatil /
ayanāmsāññaḷeccerttāl kūtṭeṇam rāṣiyāyatil //

Mss. 10647-G, PM. 4329-D.

Candracchāyāṇita (?) V (kar.), Mal., Anon.Beg. viparītacchāya veṇam candranennaññirikkilo /
viṣamam punarennālum collinen oru jāti ñān //

Ms. L. 636-C (inc., 40 gr.)

Candracchāyānayanopāyaḥ (?) (astron.), Anon.Beg. atha pāramārthikāpakramādibhir vinā candracchāyānayane
kañcin mārgam upadiśati—kakhalagnapade lagnam natakalapade graham /
akṣasthāne ca dṛkṣepam kṣepam krāntipade 'pi ca //

Mss. C. 2314 (towards the end), C. 2470 (ff. 91b-92a).

Candranāḍi (astrol.), by Acyuta : See *Devakerala*.*Candrabhaṣa* (kar.), Mal. verse, Anon., 50 gr.Beg. śuddhamāyi gaṇikkenṭū candrārkanmāre eñkilu /
khaṇḍaśeṣam muzhuvane vaykkeṇam udayattinu //

Mss. 4079, 4158-B, 4327-B.

Candralagnādiphala (astrol.), Mal. prose, Anon. Ms. 13475-E.*Candravākyadi* (?) (kar.), Misc. mnemonic tables etc., Anon.

Ms. L. 1229-A (1000 gr.)

Candravākyaṇi I (kar.), by Vararuci : See *Gīrṇaḥ śreyāḍi-Candravākyaṇi*.

Do. II : See *śilam rajñah śriyetyādi-Candravākyaṇi*.

Candrasūryoparāgaṇita (ecl.), Mal. prose, Anon. Ms. 1005-B.

Candrasphuṭagaṇana-vākya (?) (kar.), Anon., 7 vākyas.

Ref. Below in the CC of this work.

Do.—C, in 2 verses, Anon. Men. Below in the CC of the work.

Do.—CC, Anon.

Beg. 'vākyair saptabhir' āḍimair gaṇayitum candrasphuṭam yat
 jyotiśśāstraviśāradena sudhiyā ślokadvayam proditam /^{purā}
 vyākhyām tasya karomy avismṛtikṛte natvā gajāsyaṃ gurūn
 sūryā — — kalāspadācchadhiṣaṇām satkālavin maṅgalān //

Ms. MC. 173-A (inc., 55 gr.)

Candrasphuṭagaṇita (?) III (kar.), Mal., Anon.

Beg. candracūdanumāpākantanma kan gaṇanāthane /
 caraticcu vaṇanñiṭṭu kavimāṭineyum tathā //

Mss. 2243-C (under the title *Aharmānādigaṇitam*), (150 gr.),
 4145-A (inc., 60 gr.)

Candrasphuṭadigaṇita I (kar.), Mal., Anon.

Beg. candrane sūkṣmamāyiṭṭu gaṇippān kriya collinen /
 khaṇḍiccā ara pokkeṇam antikkañṇu harikkilu //

Ms. 5811 (inc., 350 gr.)

Candrasphuṭadigaṇita II (kar.), Mal. prose and verse, Anon.

Beg. candrane sūkṣmamāyiṭṭu gaṇippān iha collinen /
 aharga[ṇatte va]ccitṭanñiṣṭakālattinākkīyāl //

Ms. 14228-H.

Candrasphuṭāptih (?) (kar.), Anon., related to the *Veṇvāroha* of
 Mādhava.

Beg. śiraḥ śaś mām (?) śikhāniṣyandicaṇḍrikaḥ /
 anakārāharam divyam sindhubhūṣam bhaje mahāḥ //
 adodho kramaśotkīrṇacandrataittuṅgasaṅgamāt /
 pratyaham vākyanavakāt sphuṭacandrāptir ucyate //

Ms. 1055-A (inc., 60 gr.)

Citrabhānu, (c. 1475-1550), Nampūtiri of the Gautama-gotra, from Śivapura (Covvaram), near Tirchur.

—*Karaṇāmṛta* (A.D. 1530)

Ref. *Ker. Astron.*, p. 57, § 28 ; Raja, 153-55 ; Ul. 273-75 ; Ul. Sup. I. 305-6.

Citrabhānu-śiṣya, (c. 1525-75)

—C II on *Jatakapaddhati*

—*Bhāvacintāvalī*

Ref. *Ker. Astron.*, p. 57, § 29 ; Ul. II.275. Note : The maṅgalā-śloka of *Bhāvacintāvalī* and the anon. *Pañcabodha* II, C IV, *Grahaṇaṣṭaka* III, *Praśnabhāṣa* I and *Muhūrtapadavī* II, C V exhibit close similarity as to suspect their common authorship.

Cintajñāna or **Kṛṣṇīya** (astrol.), by Kṛṣṇa, in 32 chs., 1500 gr.

Mss. See *Ker.*, I. 165, and *Mad.*, under *Kṛṣṇīya*. Edn. by P.S. Purushottaman Nampūtiri, with his own Mal. C, Quilon, 1106 M.E.

Do.—C, *Caturasundarī*, by Viṣṇu, 1500 gr.

Mss. See *Ker.*, I. p. 165 and *Mad.* under *Kṛṣṇīya*.

Cozhipraśna (pra.), Mal. prose, Anon., 305 gr. Ms L. 225.

Chāyāgaṇanāṣṭaka (?) (kar.), Anon.

Beg. abhyūhite candra ... (1); indūconita ... (2); pātonāc ca (3).

Ms. With K.V. Sarma.

Chāyāgaṇita I (kar.), Skt.-Mal., Anon., 45 gr. Ms. 931-D.

Chāyāgaṇita (?) II (kar.), Anon., Mal. verse.

Beg. sūryacchāya gaṇikkeṇṭil tatkālārkanē veccuṭan /
ayanāṁśaṇṇaḷ kūṭṭiṭṭu caravum krāntibāṇavum //

Ms. 5126-A (450 gr.)

Chāyāgrahaṇagaṇita (?) II, (kar.), Anon., prose and verse.

Beg. pāṭum piṟappum eṇṇēṇṭil collunnuṇṭu curukki ṇān /
iṣṭagrahayor arkan eṇṇnāḷ udayattinu //

Ms. 13430-A (300 gr.)

Chayāṣṭaka (kar.), by Acyuta Piṣāraṭi. Ms. P. 4116-A, in a misc. folio.

Janmavārāphalādi (jā.), Skt.-Mal., Anon. Ms. 4184-A.

[*Jātakakarmapaddhati*, *Jātakapaddhati* or *Śrīpatipaddhati* (jā.) by Śrīpati]

—C I, *Jatakalaṅkāra*, by Sūryadeva Yajvan.

Mss. See *Ker.*, I. 229 ; Baroda, Mad.

Do —C II, by Parameśvara of Vaṭaśreṇi.

Mss. 665, S. 2337-C ; Ad. Mad. ; Āzhvāñceri Mana List, 167-D.

Do.—C III (Mal.), Anon.

Beg. aviṭe naṭe ācāryan gurupraṇāmatte munpeṭuttu cikirṣitatte pratijñā ceyyunnū—natvā tām gurudevātām ...

Ms. C. 543-B. Ref. Ul. III. 237.

Jatakakramam (jā.), (Mal.), by Śaṅkaran Nampūtiri of Mahiṣamaṅgalam, 1500 gr.

Mss. 5129-H, C. 2173-A, C. 2216. Ref. Ul. II. 473.

Jatakagaṇita (jā.), Skt.-Mal., Anon. Ms. 13194-H.

Jatakacandrikā I (jā.), Skt.-Mal., Anon. Ms. 3634.

Jatakacandrikā II : Name of C by Parameśvara III, pupil of Śaṅkara, on *Hora*.

Jatakacintā (jā.), Mal. prose, Anon. Ms. 13029-C.

Jatakanidhāna (jā), Mal. prose, Anon. Ms. L. 327-C.

Jatakapaddhati (jā.), by Parameśvara of Vaṭaśreṇi, in 44 verses.

Mss. See *Ker.*, I. p. 229. Edn. *Śrī Vañchi Setu Lakshmi Series*, No. 2, Trivandrum, 1926. Ref. Ul. II. 103 ; Va. III. 379-81, where it is taken to be by a different Parameśvara.

Do.—C I *Balabodhinī* or *Balaprabodhinī*, Anon., by a native of Vaikkom.

Beg. vyāghragrameśa ... (1) ; vidyādāyapy avidyādam... (2) ;

Vaṭaśreṇītl loke 'smin prasiddhasya divijanmanah /
krter vilikhyate vyākhyā svalpā *Jātakapaddhateḥ* //

Mss. 5097-B, C. 914-A, B, C. 1512-B, C. 2478-E ; Āzhvāñceri List, 167-E. Ref. Ul. III. 89-90 ; Ul. Sup. I. 464 ; Va. III. 382-83.

Jātakapaddhati (contd.)

Do.—C II (Mal.), by a pupil of Citrabhānu, 400 gr.

Beg. natvā gaṇeśvaram vāṇim Citrabhānvādikān gurūn /
bhaktyā Jātakapaddhatyā kriyāmārgam vilikhyate //
aviṭe naṭe — candrārkaḥ janyarkṣayakoś ca patyoh...

Ms. C. 543-B.

Do.—C III (Mal.), *Bhāṣājātakapaddhati*, an exposition in verse, with extra matter, by Kṛṣṇadāsa (Koccu-Kṛṣṇan Āśān).

Mss. CM. 543-B, CM. 2123-B. Edn. *Śrī Vanchi Lakshmi Series*, No. 3, Trivandrum, 1926. Ref. Ul. III. 520, 523 ; V. III. 384-85.

Do.—C IV (Mal.), by Śrīkaṇṭha of Vellārakkāḍu (?)

Col. Śvetagrāmāṭavi-saṁśrita ... Śrīkaṇṭhaḥ kaścid etat sapadi
likhitavān pustakam devadāsaḥ //

Edn. In an adapted form, under the title *Balapiṇḍavum ayur-dāyavum*, as app. to *Jātakadeśa*, ed. Kanippayoor Sankaran Namputirippad, Kunnamkulam, 2nd edn., M.E. 1102.

Do.—C V (Mal.), Anon., 400 gr.

Beg. harihara-sarasirūhāsana ... (1) ; gaṇḍāntanirgalad ... (2) ;
pañcāśadakṣara ... (3) ; Śrī-Vaṭaśreṇi-bhūdevaiḥ ... (4) ;
aviṭe naṭe jananakālatte chāya koṇṭu tān ambuyantram
koṇṭutān ...

Mss. 421-B, 1134-B, CM. 563-B ; Āzhvāñceri List, 167-B, Trippunithura Skt. Col. 804-B. Ref. Ul. III. 245-46.

Do.—C VI (Mal.), Anon., 240 gr.

Beg. perul— janmalagnasphuṭatte vaccu ayanacalanam kūṭṭiyatu...
Ms. 5880-C.

Do.—C VII (Mal.), Anon., 180 gr.

Beg. 'kuryāt sāyanalagnataś ca' ādyapadyam, 'sandhigrahāntara-kālādi'padyam iti lagnasphuṭaṇṇaḥ sūkṣmamāyi varutti ...
Ms. L. 984.

Do.—C VIII (Mal.), Anon.

Beg. jananakālatte udayalagnam uṇṭakki ayanacalanam kūṭṭi
caravum prāṇakālāntaravum koṇṭu...

Mss. P. 878 ; Trippunithura Skt. Col. 804-A.

Do.—See also *Jātakakarmapaddhati*, *Laghujātakapaddhati*.

Jatakaphalam (jā.), Mal. verse, Anon., 500 gr.

Beg. gurukkanmāre vandiccittavarāl uktamāyatil /
curukki *Jatakaphalam* kuṛaṇṇonniha likhyate //
mūrttiyum kīrttiyum sthānam...

Mss. See *Ker. Mal.*, p. 60. Ref. Ul. III. 239 ; Ul. Sup. I. 537.

Jatakabhavaphalam (?) (jā.), Anon., (Kar. ?).

Beg. astu trailokyadipāya bhaktābhimatadāyine /
samastavidyānirmānakavaye ravaye namaḥ //
vṛttākṣo janavallabho 'ticipalo ...

Ms. C. 267-A (1700 gr).

Jatakamatṛka (jā.), Skt.-Mal., Anon.

Mss. 6007-D, C. 155-A, T. 147-A.

Jatakarahasya or *Keralanirṇaya* by Vararuci : See *Varaurucikerala*.

Jatakalekhanakrama I (jā.), Mal., Anon., 400 gr.

Beg. ślokaṁ mun totṭanāl pinne rāṣiyum nāmadheyavum /
ādiṭyādisphuṭam sarvam bhāṣayil kalināl punaḥ //

Mss. 8268-E, PM. 4329-E, T. 147-B, T. 154-B-4.

Jatakalekhanakrama II (jā.), Mal. verse and prose, Anon.

Beg. jātakam ezhutuvānuḷḷa kramaṇṇal collunṇu. naṭe tanne
gaṇapatikku kuṛiccu ...

Ref. Ul. III. 238.

Jatakalekhanakrama (?) III (jā.), Mal. verse, Anon.

Beg. iṣṭadevata vandiccāl iṣṭamām keṭṭanālīṭu /
lagnam drekkāṇavum perum grabataḥkālāvākyavum //

Ms. PM. 4117.

Jatakalekhanakrama IV (jā.), Mal. verse, Anon.

Beg. talkālārkkane vacciṭṭu vēre muppaṭu tiyati /
vaccāl atil kaḷaṇṇiṭṭu arkaṇṭe bhāgaliptakaḥ //

Ms. PM. 4158-H.

Bibl. Astro. 5

Jātakasāra I (jā.), (Skt.) by Śaṅkara of Mahiṣamaṅgalam, 485 gr.

Beg. vande 'ham iśam giriśasametam ... (1); ajākhyam ādyam
ca ... (2); siṁham ca kanyām ca ... (3).

Mss. FM. 4111-B, T. 268-C.

Jātakasāra II (jā.), Mal., by Śaṅkara of Mahiṣamaṅgalam, in 7 chs.

Beg. vande giriśam giriśasametam ... (1); santatīyūṁ kaṭatravum
nirūpikkeṇṭumpo! ...

Mss. P. 882; PM. 4026-C; T. 144-D (a). Ref. Ul. III. 241-42.

Jātakasāra III (jā.), Mal. prose, by (a diff.) Śaṅkara, in 4 chs.

Beg. jātakam ezhutuvām naṭe lagnam niścayiccu ...

Ms. C. 1205-A (950 gr.)

Jātakasārasaṅgraha (jā.), by Āzhvāñceri Tamprākkaḷ, in 6 khaṇḍas.
184 verses.

Mss. C. 2431-D; Ad.; Mad.

Do.—C (Mal.), by the author himself.

Ms. L. 1217-A.

Jātakādeśamārga I (jā.), by Putumana Somayāji, 335 gr.

Beg. madīyahṛdayākāśe... (1); gaṇeśādin namaskṛtya... (2);
kujenduketu... (3)

End: guror lagneśadāreśa...; suteśaśaśisukreṣu...;

Navālayavanākhyena dhimatā Somayājina |

kṛtam prakaraṇam hy etad daivajñājanatuṣṭaye ||

Ms. CM. 2197-F.

Do.—C I (Mal.), Anon., 1100 gr.

Beg. eṇṇāl gaṇapati tuṭaṇṇiyuḷḷavarre namaskaricciṭṭu...

Mss. CM. 2197-G, L. 1092-C.

Do. C. II (Mal.), Anon. Ms. L. 1097-A.

Jātakādeśamārga II (jā.), by Putumana Somayāji (?) in 16 chs.

Beg. madīyahṛdayākāśe... (1); mūrdhāsya galaskandha... (2);
matsyau ghaṭi... (3); kriyatāvuru... (4); aruṇaśita... (5)

End. tatra śubhāśubhayogā...

Jātakādeśamārga II (contd.)

Edn. By Kanippayoor Sankaran Namputirippad, 5th edn., Kunnamkulam, M. E. 1125; By V. N. Sankunni Nair, A.R.P. Press, Kunnamkulam, M.E. 1105.

Jātakādeśaratna (jā.), by Nārāyaṇan Ilayatu of Maccāṭ, being an adaptation of the *Jātakādeśamārga* of Putumana Somayāji.

Men. By the author's grandpupil, Puruṣottama III, in his *Pṛaśṇayanā*, III. 19; VIII. 81. Ref. Ul. III. 529; Ul. Sup. I. 225.

Jātakānūtimārga (jā.), by Āzhvāñceri Tamprākkaḷ, in 14 khaṇḍas, 166 verses. Ms. C. 2331-A.

Do.—C (Mal.), by author himself, 1300 gr. Ms. C. 2431-B.

Jātakābharanam (jā.), by Acyuta Piṣāraṭi.

Beg. mūrtitva parikalpitaḥ... (1); ṣaḍānām... (2); guṇūnām caraṇāmbhoja... (3); Varābahorām ālokya... (4)

Ms. C. 2139-A. Ref. Ul. II. 324.

Jātakālāṅkāra: Name of Sūryadeva Yajvan's C on *Jātakakarmapadḍhati*.

Jātakodaya or *Uḍujātakodaya* (jā.), Anon., by a Brahman of Veṇaḍ in S. Kerala, 103 verses.

Beg. gurūn upāśya śāstrāṇi samāloḍyābhiyujya ca /
niścityāvyabhicāritvam kriyate *Jātakodayaḥ* //

End. Dvijena kenāpy Uḍu-Jātakodayam
kṛtam dvi-(?) *Veṇāṭikadeśajanmanā* /
trayādhikślokaśatena nirmitam
hitāya taj jātakasāravedinām //
sarvoktam etc.

Mss. 1004-D C. 1912-E, L. 1248-D, P. 833, T. 283.

Jīvānayanam (?) (astron.), Anon., misc. composition.

Beg. nihatya cāpavargeṇa cāpam tattatphalāni ca /

Ms. 8358-C (inc., 100 gr.)

Jivadyānayanam (?) (astron.), Mal. verse, Anon.

Beg. anūnanūtnānanununnānityaiḥ...

Ms. 14152-C (inc., 75 gr.)

Jyāḥ I (astron.), mnemonic sine tables etc.

Beg. gaṇānām adhipas caṇḍo gajavaktravilocanaḥ /
prito bhavatu me nityam varadātā vināyakaḥ //
janena satyena...

Ms. C. 595-C (140 gr)

Do. II. Mss. See *Ker.*, I. p. 238 ; *Ker. Mal.*, p. 62.

Jyākhaṇḍādyaṇayana (?) (astron.), *Mal.*, Anon.

Ms. T. 323 (inc., 1910 gr.)

Jyāgaṇita (?) (astron.), Anon.

Beg. lakuṭena samabhyastā rāśicakrakalā haret /
śalmaleti stutir labdhā tadartham tridamaurvikā //

Ms. L. 765-G.

Do.—(*Mal.*), Anon. Ms. L. 765-G (160 gr.)

Jyeṣṭhadeva, (1500-1610). of the Paraṇṇottu family in the Ālattūr village ; pupil of Dāmodara and teacher of Acyuta Piṣāraṭi.

—*Gaṇitayukti*

—*Dṛkkaraṇam* (*Mal.*)

—*Yuktibhāṣa* (*Mal.*)

Ref. See above, pp. 59-60, § 32 ; K. V. Sarma, 'Jyeṣṭhadeva and his identification as the author of *Yuktibhāṣa*', *Adyar Lib. Bulletin*, 22 (1958) 35-40; Raja, 156-58.

Jyeṣṭhadeva-śiṣya, (c. 1550-1625).

—C in verse on *Tantrasaṅgraha*.

Ref. *Ker. Astron.*, p. 60, § 33; Raja, 158.

Jyotiśśāstrasāṅgraha (astron.-astrol.), by Azhvāñceri Tamprākkaḷ, in two parts : I. *Siddhāntaskandha* or *Gaṇitaskandha*, and II. *Horāskandha* (*Muhūrta*, *Jātaka* and *Praśna*).

Mss. CM. 6-A, L. 1179, L. 1221-A, T. 1156 : Vaṭavarkkoṭṭu Mana, Venkitangu, List II. 12-A. Note. For an exposition of the principles involved, see *Saṅgrahasādhana*kriyā.

Do.—C (*Mal.*), by the author himself.

Mss. See *Ker. Mal.*, p. 42 (under *Gaṇitasāṅgraha*) ; p. 62 ; Vaṭavarkkoṭṭu Mana, Venkitangu, List II. 12-B.

Jyotiṣadīpamūla (astron.-astrol.), Mal. verse, Anon. 5 chs., 750 gr.

Beg. gaṇapatiguruvāṇim arkacandrārasaumyān
suragurusitamandam rāhuketum vaṇaṇṇi /
gaṇitam api muhūrttam jātakam praśnabhāgam
laghutaram iha collām mardadbīdhāraṇāya //

Mss. See *Ker. Mal.*, pp. 62-63; C. 1864-C. Ref. UI. II. 228-29.

Jyotiṣapaddhati (astron.-astrol.), Mal. verses, Śītaṅkan tuḷḷal, Anon.

Ms. 10967-C.

**Jyotiṣaprakāśa* : Name of C by Rājaraṇa Varmā Koyittampurān
on the *Goladhyāya* of Bhāskara II.

Jyotiṣapradīpa (astron.), Mal., by Rāma Varma Koyittampurān
of Gramam.

Ref. UI. IV. 545.

Jyotiṣabhāṣācārṭtu (astrol.), Mal., Anon. Ms. L. 1250.

Jyotiṣabhāṣāvalī or *Māccāṭṭu Bhāṣā* (astron.-astrol.), Mal., by Nārā-
yaṇan Ilayatu of Maccāṭṭu house. Ref. UI. III. 529; Va.
IV. 221.

Jyotiṣavākyāni (mnemonic sine and other tables), Anon. Mss. See
Ker., I. p. 239.

[*Jyotiṣasaṅgraha* I (astrol.), Anon.]

— C (Mal.), Anon.

Beg. pañca prācīr ālikhed bāṇasaṅkhyāḥ
tiryagrekhāvarjitantās catuṣkāḥ /
prāgādiśā dvādaśavyomavāsāḥ
jyotiścakrasvāminas tūbarādyāḥ //

Ms. Mad. D. 13765.

Jyotiṣasaṅgraha II (astrol.), Mal., by a pupil of Maṅgalaśreṇi-
vipra.

Beg. Maṅgalaśreṇīviprendugurupādāmbujadvayam |
vandiccīṭṭu camaykkunnen Bhāṣā-Jyotiṣasaṅgraham //

Ms. T. 142 (inc., 120 gr.)

Tamprakkaḷ Bhāṣa : Nama of the Mal. C-s of Azhvāñceri Tamprakkaḷ on his several works and on the *Muhūrtapadaṁ*, esp. the last.

Tantrasaṅgraha I (astron.), by Nīlakaṇṭha Somayāji, in 8 chs., 450 gr., A.D. 1500.

Mss. See *Ker.*, II. pp. 16-17; *Ad.*; *Mad. Edn.* TSS 188. *Ref.* Ul. II. 118.

Do.—C I, *Kriyākalapa*, by Śaṅkara Vāriyar of Tṛkkuṭaveli.

Beg. tatra tāvat kalyāder ārabhya yātān abdān dvādaśabhir nihatya.....

Ms. L. 1329-A (2000 gr.) *Ref. Ker. Astron.*, pp. 58-59, § 31.

Do.—C II, *Loghuvivṛti*, by Śaṅkara Vāriyar of Tṛkkuṭaveli.

Mss. See *Ker.*, II. pp. 16-17; *Mad. Edn.* TSS 188. *Ref.* Ul. II. 120-21; *Va.* II. 498-99.

Do.—C III, in verse, by an anon. pupil of Jyeṣṭhadeva, for chs. I-IV only; 2600 gr.

Mss. 586-E, C. 1375, L. 1302; *Mad. R.* 2505. *Ref.* Ul. II. 120; *Va.* II. 498.

Do.—C IV, *Laghuvyākhyā*, anon., possibly by a Tamil astronomer.

Mss. Panjab Univ. Lib., (Lahore), *Catal.*, II, p. 220, mss. nos. 3494, 3495, both in grantha script.

Do.—C V (Mal.), Anon., 4300 gr.

Beg. aviṭe ācāryan ārambhippānāyikkonṭu icchikkappettirikunna *Tantrasaṅgrahattinte*...

Mss. See *Ker.*, II. p. 17; *Ker Mal.*, p. 64.

Tantrasaṅgraha II (astron.), Mal. prose, Anon., Mss. 8380, T. 211-C.

Tantrasaṅgrahat Sphuṭanirṇayabhagaṇah (?) (astron.), Anon.

Beg. *Tantrasaṅgraha-samprokta-kalyādi-dhruvaparyayaḥ* / *Sphuṭanirṇaya-samproktā bhagaṇānītir ucyate* //

Ms. With K.V. Sarma.

Tantrasāra (astron.), by Nārāyaṇa of Perumanam village.

Ms. With Rāma Varmā Maru Tampurān of Chalakkūdi.

Ref. Raja, 153.

Do.—C (Mal.) Ms. With the text above.

Tāmaranallūr

—*Muhūrtam-Bhāṣā* or *Tāmaranallūr Bhāṣā*.

Ref. *Ker. Astron.*, p. 49, § 18.

Tāmaranallūr-Bhāṣā : See under *Muhūrtam Bhāṣā*.

Tāmbūlapraśnādiphalam (pra.), Mal. verse, Anon. Ms. L. 1187-C.

Tāmbūladipraśna (pra.), Mal. prose, Anon. Ms. 3383-H.

Tithinakṣatrādiphalam (astrol.), Mal. prose, Anon. Ms. L. 247.

Tithinirṇaya (astron.), Mal. verse, Anon. Ms. L. 336-B

Tuppan Nampūtiri, (c. 1725-1800), of Iṭavaṭṭikkāṭṭu family in Central Kerala.

—*Muhūrtapadavī* VI

Ref. *Ker. Astron.*, pp. 59-60, § 59 ; Ul. III. 470-76.

Trppāṇikkara Putuvāl, (17th cent.), astrological authority, pupil of Acyuta Piṣāraṭi. Ref. *Ker. Astron.*, p. 5.

Trirāśijyāvakyāni (?), misc. astron. mnemonics. Ms. L. 1328 (40 gr.)

Dakṣiṇārmūrti Mūssatu of Maṅgalaśseri, (18th-19th cent.), astrological authority, Ref. *Ker. Astron.*, p. 5.

Daśapporuttam (astrol.), Skt.-Mal., Anon., 10 gr. Ms. C. 2421-E.

Daśadhyāyī : Name of C by Govinda Bhaṭṭatiri on *Horā*.

Daśāphalavicāra (artrol.), Anon. Ms. Pāliyam List, 634.

Daśavatārappattika (astron.), Mal. prose, Anon., 150 gr. Ms. 13475-D.

Daśaviśeṣaphala (astrol.), Ms. Pāliyam List, 614.

Dāmodara I. (15th cent.), of Vaṭaśreṇi, son of Parameśvara and teacher of Nīlakaṇṭha Somayāji. Ref. *Ker. Astron.*, pp. 54-55, § 24.

Dāmodara II : Dāmodaran Nampūtiri, (c. 1675-1775), of Maṅgala-
śśeri in Perumanam in N. Malabar.

—*Praśnarīti* I

—C on *Līlavatī*

Ref. *Ker. Astron.*, pp. 65-66, § 42 ; Va. III. 378-79.

Dāmodara III of the Bhāradvāja gotra, brother of Keśava, hailing
from Cellūr.

—*Muhurtabharaṇa*

Dūtalakṣaṇa-bhāṣa : See under *Āyudhalakṣaṇa*.

Dṛkkaraṇam (kar.), by Jyeṣṭhadeva (?), in 10 chs., 475 gr., A.D.
1608.

Ms. C. 7-C. Ref. For the tradition that the au. is the same
as the au. of *Yuktibhāṣa* (i.e., Jyeṣṭhadeva), see M. Whish,
Trans. Royal As. Soc. 3 (1835) 523. On the work, see
Ul. II. 478 ; Ul. Sup. I. 226.

Dṛkparahitam (kar.), Anon.

Beg. nītvā madhym vilīptāvadhikam urudharādyāptahine dhruvādhye
kṣiptvāsmiṇ deśabhedam ravibhujacarayor ...

Ms. Mad. D. 13447 (cata. as *Pañcāṅgagaṇitaviṣaya*).

Dṛggaṇita (kar.), by Parameśvara of Vaṭaśreṇi.

Mss. 411-B, 13300-E, L. 1248-E, L. 1243-I ; with K.V. Sarma.

Edn. K.V. Sarma, V.V.R. Inst., Hoshiarpur, 1963. Ref. Ul.
II. 102 ; Va. I. 379-80.

Dṛggaṇitakrama (?) (kar.), Anon., Mal. verse.

Beg. kulīna-rūkṣajña-vidhāna-mātrayā ...

Ms. PM. 4116 (320 gr.)

Dṛggaṇitajyavākyaṇi (kar.). Ms. Baroda, p. 1198 (ms. no- 9942-d).

Dṛggaṇitaprakāra (?) (kar.), (Mal.), Anon.

Beg. ini Dṛggaṇitattinte prakāram paṇayinnīu—

arkano bhedamillallo dṛkkil parahitattilum /

kujannu madhyame dṛkkil bhedamilliha tuṅganuṁ //

Ms. 189-B.

*Dr̥g-veṇvāroha*kriyā (kar.), Anon. Epoch : A.D. 1695. Ms. 5867 (ff. 163-65). Edn. K.V. Sarma, App. II to his edn. of *Veṇvāroha*, Trippunithura, 1956.

Dr̥ṣṭāntapras̥na (pra.), Old Mal., Anon., 298 gr.

Beg. ādiyām paramakalyāṇi uḷlattill ninnu kuṭikoḷḷunna
uḷlamuṭyān rakṣa rakṣa. Śivālayam—
(na)ḷlam itu karumam naṇṭa ānattol viṣṇuviṇāle
itaṁ paṭavūratien colluvaṭināl Agastyan keḷkka
nītiyāl pūtalattil vāḷka, oḷḷatellām arivināl.

Ms. PM. 4125-A.

Dr̥ṣṭāntamālā or *Śakunamuṣṭi* I (pra.), Old. Mal., Anon., in the form of questions and answers.

Beg. i rājāvinekkaṇṭāl śubhamo aśubhamo ennu collu.

Mss. PM : 4122, 4123, 4125-B, 4126, 4309.

Dr̥ṣṭāntamālā or *Śakunamuṣṭi* II (pra.), Old. Mal., Anon.

Beg. innirupicca kāryam śubhamo aśubhamo ennu. innurupicca
kāryam ninacca vaṇṇam vaṇṇam. iviṭe devālayam uṇṭākkiyāl
guṇam vaṇṇam. Ms. PM. 4124.

Devakerala (astrol.), called also *Keralajyotiṣa*, *Keralarahasya*, *Candrakalā-nāḍi* and *Candranāḍi*, by Acyuta I, a 'Kerala-brāhmaṇa'.

Mss. Mad. D. 13775-79, R : 853-a, 3322, 4056 ; Ad. Edn. Gov. Or. Mss. Lib., Madras, 3 vols., 1952-56. Ref. Ul. I. 164.

Daivānukūlyadi (astrol.), Anon.

Beg. atha daivānukūlyādikam nirūpyate.

devair vā dharmadevaiḥ phaṇipatigurubhir brāhmaṇaiḥ

Ms. C. 584-C.

pretabhūtaiḥ /

Drekkāṇādivicāra (astrol.), (Skt.-Mal.), Anon. Ms. 13494-H.

Dviṣatī or *Prakāśalatikā* (astrol.), Anon., by a devotee of Śiva installed at Talipparamba (Cellūr) in N. Kerala and protege of the Nampūtiri family of Vāraṇakkod.

Beg. yasyānuvelam udaye ... (1) ; lakṣmipureśam ... (2) ; dvai-māturam ... *Prakāśalatikā* *Dviṣatīm* likhāmi //3//

Ref. Va. III. 611-15.

Bibl. Astro. 7

Nakṣatram nokkal ('star gazing'), (Mal.), Anon., a single verse to derive the time for sunrise from the position of a star.

Verse : uccappettoru nakṣatram totteṭṭolm punar aññineyeṇṇi /
eṭṭinkēnnatu ñāṭṭilayoḷam atrayum atrayum arkan udippān //
sūryan udippān ini etra samayam uṇṭennaṭivān.

Ref. Q in 'Samayam nirṇayikkān' by M.R. Vargheese, *Mathrubhumi Weekly*, (Kozhikode), 7-11-1954, p. 45.

Nakṣatrappana (astron.), Mal. verse, Anon., 20 gr.

Beg. oṇam mūnnu muzhakkol pol
uccaykku meṭattil cellum onnara nāzhika.

Ref. 5038-C, 14228-D, PM. 4328-C, PM. 4368-D.

Naraceṣṭā (pra.) Anon., (Ker. ?)

Beg. ādityādin grahān natvā śubhāśubhasusūcakān /
yathāśāstram yathāpraśnam *Naraceṣṭām* pracakṣmahe //

Ms. C. 2137-C.

Navagrahavākyaṇi (?), (mnemonic tables in verse form), Anon., 30 gr.

Beg. devo vanālokanapūjanottamaḥ.

Ms. 11044-V.

Navagrahasamaya : See *Aṅkaśāstra*.

Naṣṭajātakakriyā (astrol.), Mal. prose, Anon. Mss. 13487-D,
L. 1217-D.

Naṣṭajātakapraśna (pra.), Mal. prose, Anon. Ms. 794-B.

Naṣṭajātakādi (astrol.), Skt.-Mal., Anon. Mss. 10999-A ; Vayaskara
Illam, Kottayam, 92-B.

Nārāyaṇa I, (c. 1530-75), pupil of another Nārāyaṇa and admirer of
Nilakaṇṭha Somayāji.

—*Uparāgakriyākrama*

—C *Karmadīpikā* or *Kriyākramakarī* on *Līlavatī*, Version I

—C Do. Do. Do., Version II

—C (I), *Laghuvivṛti* on *Pañcabodha* IV.

Ref. *Ker. Astron.*, p. 57-58, § 30 ; Ul. II. 121 ; Ul. Sup. I, 227-28.

Nārāyaṇa II, son of Keśava, resident of Kāṇvavastu (Tṛkkaṇṇapuram or Kaṇṇanpaṇuampu) in Malabar.

—*Muhūrtadīpaka*

Ref. *Ker. Astron.*, p. 62, § 35 ; Ul. II. 107 ; Va. II. 612-13.

Nārāyaṇa III

—*Laghudarśinī*

Ref. *Ker. Astron.*, p. 65, § 41.

Nārāyaṇa IV : Nārāyaṇan Nampūtiri (18th cent.) of Iṭa vaṭṭikkāṭṭu family in Central Kerala.

—*Muhūrtapadavī* VII

Ref. *Ker. Astron.*, p. 73, § 60 ; Ul. III. 470-76.

Nārāyaṇa V, of Perumanam village.

—*Tantrasāra*

Ref. *Ker. Astron.*, 74, § 64 ; Raja, 153.

Nārāyaṇa VI : Nārāyaṇan Iḷayatu of Maccāṭ (1765-1843).

—*Jātakādeśaratna*

—*Jyotiṣabhāṣāvali* or *Maccāṭṭu Bhāṣā* (Mal.)

Ref. *Ker. Astron.*, p. 76, § 71 ; Ul. III. 527-29 ; Ul. Sup. I. 648-49 ; Va. IV. 216-21.

Nārāyaṇa VII, (c. 1325-1400), son of Parameśvara and teacher of Parameśvara (promulgator of *Dṛggaṇita*). Ref. *Ker. Astron.*, p. 53, § 23.

Nārāyaṇa VIII, (19th cent.), teacher of Puruṣottama (au. of *Praśnāyana*). Ref. *Ker. Astron.*, p. 79, § 79.

Nāvāyikkūḷattu Āzhāti, (17th cent.), astrological authority.

Ref. *Ker. Astron.*, p. 5.

Nalum pakkavum ariṇan (kar.), (Mal.), computation of day, tithi, etc. Anon.

Beg. akāṇṇādi patimūnnakṣaram śūnyam. oṭukkatte akṣaram kāryam ākunnatu.

Ms. C. 9-F.

Nazhikamanīyute yukti (Mal.), Anon., a detailed exposition of the penḍulam clock. Ms. With K.V. Sarma.

Nityaprakāśa Yati or °Bhaṭṭāraka, pupil of Ānandaprakāśa.

—C *Prakāśika* or *Viśamākṣaravivṛti* on *Horā*.

—C *Prakāśika* (Mal.), on *Horā*

Ref. *Ker. Astron.*, p. 50, § 19.

◌*Nimittapraśna* (pra.), Mal. prose, Anon. Ms. L. 28;

Nirgaṇita (kar.), Anon. Men. In the *Karaṇapaddhati* of Putumana Somayāji, IV. 3.

Nihatya cāpavargenetyadi-slokaḥ : See *Mahājyānanayanaprakāraḥ*.

Nilakaṇṭha I : Nilakaṇṭha Somayāji, (1444-1545), of the Garga-gotra, of Kerala-sad-grāma (Mal. Keḷallūr) ; pupil of Dāmodara and grand-pupil of Parameśvara I.

—*Gaṇitadarpaṇa* (?)

—*Golasāra*

—*Grahaṇanirṇaya*

—*Grahaṇādigrantha*

—*Grahaṇarīkṣākrama*

—*Candracchāyagaṇita*

—*Tantrasaṅgraha*

—*Siddhāntadarpaṇa*

—*Sundararājapraśnottara*

—C *Bhāṣya* on *Āryabhaṭīya*

—C on his own *Candracchāyagaṇita*

—C on his own *Siddhāntadarpaṇa*

Ref. *Ker. Astron.*, pp. 19, 22-23 ; 55-57, § 26 ; K.V. Sarma, *Gārgya Kerala Nilakaṇṭha Somayājīn'*, *Jl. of Or. Res.*, 26 (1956-57) 24-39 ; Raja, 143-52 ; Sen, pp. 155-57 ; Ul. II. 117-20 ; Ul. Sup. I. 235-37 ; Va. I. 383-87.

Nilakaṇṭha II, (16th-17th cent.)

—*Kaṇakkusāram* (Mal.)

—C (Mal.) on *Kaṇakkusāram*.

Ref. *Ker. Astron.*, p. 65, § 40,

Nilakaṇṭha III : Nilakaṇṭha Śarmā of Punnaśśeri, (1858-1935).

—*Jyotiśśāstra-subodhinī* (Mal.)

—C (Mal.) on *Camatkāracintāmaṇi*

—C (Mal.) *Pañcabodhakriyā-Bhaṣa* on *Pañcabodha*

—C (Mal.) *Uparatnaśikhā* on *Praśnamārga*

Ref. *Ker. Astron.*, p. 81, § 81 ; Ul. V. 964-70 ; Ul. Sup. II. 500 ;
Va. V. 192-204.

Nyāyaratna, version I (astronomical rationale), by Putumana
Somayāji, in 8 chs., 120 gr.

Beg. madiyahṛdayākāśe cidānandamayo guruḥ /
udetu satatam samyag ajñānatimīraruṇaḥ //
namaskṛtya gurūn bhaktyā...(2) ; anukṭāviha sarvatra...(3) ;
tulājādigatam svarṇam ... (4).

End : apakrāntyayanāntastha ... ; koṭikrānteh ... ; nyāyapradar-
śanāyaivam ...

Mss. 414-C, 597-B, 11013-B ; C: 964-A ; T. 464-A ; Mad. R. 5344.

Nyāyaratna, version II (astronomical rationale), by Putumana
Somayāji, in 8 chs., 120 gr.

Beg. madiyahṛdayākāśe ... (1) ; namaskṛtya gurūn bhaktyā...(2) :
iha grabhāḥ sphuṭikāryāḥ ... (3) ; kujāder antyakendrot-
tha ... (4) ; antyakendrabhujābhāve ... (5).

End : yugmaujapadajam... ; svadoḥkrāntyukta... ; apakrāntyāya-
nāntastha ... : nyāyapradarśanāyaivam ...

Ms. With K. V. Sarma.

Pakṣapraśna (pra.), Mal. prose, Anon., 550 gr. Mss. 4133, 10964.

Pakṣiśāstram or **Pañcapakṣiśāstram** (astro.), (Skt.-Mal.,) Anon.,
based on Agastya's *Pañcapakṣiśāstra* (For mss. of which see
Tanjore D. 11489-92), 100 gr.

Beg. abhivandya gaṇeśānam ... (1)

natvā vighneśvaram vāṇīm Pañcapakṣinidarśanam /
pur-Āgastyena devebhyah proktam saṅkṣipyate mayā //

Mss. C. 350-A, P. 589. Ref. Ul. III. 243 ; Ul. Sup. I. 539 ;
Va. II. 503.

Pañcapakṣilakṣaṇam (astrol.), Old Mal., verse, Anon.

Beg. covvā nāyiru vallira ciṟanta tiṅkaḷ budhan ānta /

Ms. PM. 4154.

Pañcapakṣiśāstram or *Pakṣiśāstram* : See under *Pakṣiśāstram*.

Pañcabodha I or *Prakīrṇasaṅgraha* (kar.), in 10 *khaṇḍas*.

Beg. yātāś ca māsā divasās ca nṛḍyah svābhīṣṭākālāvadhikāḥ
krameṇa /

(Some mss. prefix a benedictory verse : yair amśakaiḥ sarva-
guhāśayasya ... The col. in several mss. read : *iti Prakīrṇa-
saṅgrahah.*)

Mss. 597, 831-B, 5376-B, 5864-B, 8985, 12455, C. 77, C. 364,
C. 588, L. 1360-A. Edn. Kanippayoor Sankaran Nam-
putirippad, with modern com. in Mal., Panchangam Press,
Kunnamkulam, M.E. 1102 ; M.E. 1107.

Do.—C (Mal.), Anon.

Beg. yogyādikānam tu yathoradeśam ... Mss. 5376-B, 11061-L.

Pañcabodha II (kar.), Anon.

Beg. viṣuvaddyugaṇam nyasya māsavākyam dināni ca /
yuktā śukrādivāram ca jñātvā khaṇḍam viśodhayet //
śeṣam guṇena saṁhṛtya ...

Ms. P. 890-A.

Do.—C (Mal.), *Pañcabodhakriyakrama* by Śāṅkaran Nampūtiri of
Mahiṣamaṅgalam.

Beg. tumpa tiṅkaḷoṭu gaṅga tanneyum ...

Ms. P. 890-A.

Pañcabodha III (kar.), by Putumana Somayāji in five *khaṇḍas* on
Vyātīpāta, *Grahaṇa*, *Chāyā*, *Śṛṅgonnati* and *Maudhya* ; 85 gr.

Beg. devarṣigaṇais sevyam ... (1) ; madīyahṛdayākāśe ... (2) ;
golānte dviguṇāyanārkarahite prāyo vyātīpātabham ...

Mss. 414-A, T. 150-A, B ; Mad. Mal. D. 339, (pp. 1-7). Rem.
Authorship based on the characteristic intro. verse, *madīya-
hṛdayākāśe* etc. and the authority of Puṇnaśśeri
Nilakanṭha Śarmā, vide his *Jyotiśśāstra-subodhinī*.

Pañcabodha III (contd.)

Do.—C (Mal.), Anon., 800 gr.

Beg. Pañcabodhakriyāślokaṣṭakavyākhyānam iha bhāṣayāy /
gurūktarītyā collunnen bālānām aṇivān aham //

Mss. L. 893, T. 150-A, B.

Pañcabodha IV (kar.), Anon., in 5 *paricchedas* on *Vyatīpātā*,
Maudhīya, *Chāyā*, *Śṛṅgonnatt* and *Grahaṇa*, in 105 verses.

Beg. sarveśām jyotiśām ādyam namaskṛtya divākaram /
laghūkṛtya vidhāsyāmi vyatīpātādibodhanam //
yāvanmūlāntam ādityāj jalarkṣādeś ca tāvatī /

Mss. 475-G, 11103, C. 173-H, C. 595-B, L. 843-A, P. 923-B ;
PM. 4147-B ; Mad. R. 2754 (b) (under the title
Lāṭādipañcakam).

Do.—C I, *Laghuvivṛti*, by Nārāyaṇa ; A.D. 1529 ; 600 gr.

Beg. bhāsvantam andhatamasam ... (1) ; samastāny api karmāṇi
... (2) ; yatprasādād kavīndratvam ... (3) : śaktyā śaśvan
nikhila ... (4) ; Nārāyaṇam jagadanugrabajāgarūkam /
vidvattamam guṇanidhim sudṛḍham praṇamya /
lāṭādipañcaka-vibodhakarasya *Pañca-*
bodhasya cāru-vivṛtim vilikhāmi *Laghvīm* || 5 ||
granthakāraś śiṣṭācāram anusaran ...

Mss. 411-A, T. 1184 ; Mad. R. 2754 (b) ; with K.V. Sarma.

Do.—C II (Mal.), *Pañcabodhārthadarpaṇam*, by Śaṅkaran Nampūtiri
of Mahiṣamaṅgalam.

Beg. śrīśūryādīn namaskṛtya gurum ca Parameśvaram /
balāyāsmāi vidhāsyāmi *Pañcabodhārthadarpaṇam* //

Mss. 10647-B. Ref. Ul. II. 472.

Do.—C III (Mal.), *Pañcabodhakriyākraman* or *Bālāśaṅkaram*, by
Śaṅkaran Nampūtiri of Mahiṣamaṅgalam.

Beg. dhātri yatkarasamparkād ... (1) ; tumpa tiṇakṣoṭu gaṅga
tanneyum ... (2) ; bālānām Pañcabodhārtham ... (3) ;
bhāskarādīn vaṇanñiṭṭu gurum ca Parameśvaram /
cerutoṭṭezhutunnuṇṭu *Pañcabodhakriyākramam* //

gaṇitattinnu Pañcabodhamākunna karaṇatte camappān
tuṭanñunna ācāryan ...

Pañcabodha IV (contd).

Mss. 3761-D, 10625, 10987-B, C. 173-L, C. 563-D, C. 2146-B,
L. 1167-B. Ref. Ul. II. 472.

Do.—C IV, *Pañcabodhakriyākrama*, (Mal. verse), Anon.

Beg. gaṇeśānam gurum vāṇim vaṇaṇṇikkonṭu bhāṣyāy /
ceṟuotṭezhuttunnunṭu *Pañcabodhakriyākramam* //
annannu bhāskaran ninna nāl toṭṭāmūlam eṇṇuka /
pūrāṭad atra cennuḷla nālil annuḷla lāṭamām //

Mss. PM. 4366 (cata. *Vyatīpātagaṇitam*), PM. 4368-I. Rem.
Apparently related to C III above.

Pañcabodha V or *Pañcabodhaśataka* (kar.), by Puruṣottama II

Beg. (*Grahaṇa* sn.) :

namaskṛtya guroḥ pādāṃ mandajñānabhido varam /
sūryendvor uparāgoktavidhānam pravādāmy aham //

Col. *Puruṣottamakṛte Pañcabodhaśatake* Uparāgaparicchedaḥ
sampūrṇam.

Ms. With K.V. Sarma. Ref. Ul. Sup. I. 224-25.

Pañcabodha VI (kar.), Anon.

Beg. arkendvor apamāntare 'pi padayos tadbimbayogārdhataḥ.

Ms. 8112.

Do.—C (Mal. prose), *Pañcabodham Bhāṣā*, Anon.

Beg. gurupādāmbujam natvā sarvadāśāsitarthadam /
Pañcabodhoktapaddhatyā Bhāṣām iha likhāmy aham //
aviṭe naṭe ācāryan vyatīpātalakṣaṇattheyum ...

Ms. 8112.

Pañcabodha VII (kar.), Anon., on the computation of *Chāya*,
Grahaṇa, *Vyatīpāta*, *Mauḍhya* and *Śṛṅgonnati*.

Beg. iṣṭas sāyanabhāskara ... (1); kṛtāyaneṣṭārka ... (2); chā-
yeṣṭaśaṅkukṛti ... (3).

Ms. With K.V. Sarma.

Do.—C (Mal.), Anon.

Beg. iṣṭadeśa-kālāṇṇālil sāyanārkaśphuṭatte veccu ...

Ms. With K.V. Sarma.

Pañcabodha VIII (kar.) Anon, interspersed with Mal.

Beg. sindūrāraṇam indukāntivādanam keyūrahārādibhiḥ ... (1);
sūryaḥ soṃo budhaḥ śukraḥ ... (2); guṇakāraḥ kulam
bhānoḥ ... (3).

Ms. 4124-B.

Pañcabodha IX (Kar.), Anon.

Beg. madiyahrdayākāṣe ... (1)
lāṭavaidhṛtam eṇṇunna prakāram atha collinen /
ayaññāṃsāṃ iratṭicciṭṭarkanil saṃskariccatu //

Ms. 1005-D (inc., 160 gr.)

Pañcabodha X, *Pañcabodhagaṇitam Bhāṣā* (kar.), (Mal.), by Kṛṣṇadāsa
(Koccu-Kṛṣṇan Āśān). Mss. PM. 4111-A, PM. 4155-B. Ref.
Ul. III. 524.

Pañcabodha XI (kar.), unidentified.

Do.—C (Mal.), by Vāsūṇṇi Mūssatu of Veḷḷānaśseri. Men. Ul. IV. 700.

Pañcabodhakriyākrama by Śaṅkaran Nampūtiri: See C on
Pañcabodha II.

Do.—Anon.: See C IV on *Pañcabodha* IV.

Pañcabodha-Gaṇitasāra (kar.), (Mal.), by Śaṅkaran Nampūtiri of
Mahiṣamaṅgalam: See *Gaṇitasāra* II.

Pañcabodhaśataka by Puruṣottama: See *Pañcabodha* V.

Pañcabodhārtha-darpaṇam: See C III on *Pañcabodha* IV.

Pañcamahāyoga (astrol.), (Skt.-Astrol.), Anon. Ms. L. 740-C.

Pañcāṅga (almanac), (Mal.), Anon. Mss. 5779 (for M.E. 1011-60),
5841 (for M.E. 1061-80), 6010-A (for M.E. 1000-25).

Pañcāṅga (muhūrta), for 1000 years, attributed to Śaṅkaran Nam-
pūtiri of Mahiṣamaṅgalam. Ref. Ul. II. 272.

Pañcāṅga: See also *Agāṇita*.

Pañcāṅgagaṇanaṇiṣaya (kar.), (Mal.), Anon. Ms. in Mad, D.
13454.

Pañcāṅgagaṇita (kar.), (Mal. verse), Anon. Ms. 8268-C (220 gr.).

Bibl. Astro. 8

Pañcaṅgaphalam (astrol.), (Mal. verse), Anon. Mss. 6478-D, 12564-B, 13215-H, L. 144-G.

Pañcaṅgaphalam : See also *Varādiphalarimaya*.

[*Pañcaṅgavākya* (kar.),] -C (Mal.), Anon. Ms. Mad. D. 13454.

Paddhatigaṇitakriyā (kar.), (Mal. prose), Anon. 400 gr. Ms. 5074-B. Rem Of which *Paddhatt* this is a *gaṇitakriyā* remains to be ascertained.

Panakkāṭṭu or Itakkāṭṭu Nampūtiri, (c. 1615-95), son of Mahādeva and Śrī, pupil of Dāmodaran Nampūtiri of Maṅgalaśseri family.

—*Gaṇitagrantha*

—*Praśnamārga*

—C *Durgamārthapradarśinī* on his own *Praśnamārga*

Ref. *Ker. Astron.*, pp. 66-67, § 45 ; Ul. III. 87-89 ; Va. III. 400-5.

Parameśvara I : Parameśvaran Nampūtiri, (c. 1360-1455), of Vaṭaśreṇi (Mal. Vaṭaśseri) house in the Aśvattha-grāma (Mal. Ālattūr), pupil of Mādhava, Nārāyaṇa and Rudra.

—*Ācārasaṅgraha I*

—*Goladīpikā I*

— Do. II

— Do. III

—*Grahaṇanyāyadīpikā*

—*Grahaṇamaṇḍana*

—*Grahaṇāṣṭaka*

—*Candracchāyāgaṇita*

—*Jātakapaddhati*

—*Dṛggaṇita*

—*Vakyakaraṇa*

—*Vivāhanukūlyam*

—*Ṣaḍvargaphalam*

—C *Bhaṭadīpikā* on the *Āryabhaṭīya*

—C *Vivṛti* on his own *Goladīpikā I*

—C on the *Jātakakarmapaddhati* of Śrīpati

—C *Parameśvarī I* on the *Praśnaṣaṭpañcāśikā* of Pṛthuyāśas

Parameśvara I (contd.)

- C *Karmadipikā* on the *Mahābhāskariya* of Bhāskara I
- C *Siddhāntadipikā* on the *Mahābhāskariya-bhāṣya* of Govindasvāmin
- C on the *Muhūrtaratna* of Govinda Bhaṭṭatīri
- C *Pārameśvara* on the *Laghubhāskariya* of Bhāskara I
- C *Pārameśvara* on the *Laghumānasa* of Muñjāla
- C *Vivaraṇa* on the *Lilāvati* of Bhāskara II
- C on the anon. *Vyatīpātāṣṭaka*
- C *Vivaraṇa* on the *Sūryasiddhānta*
- C *Dipikā* on the anon. *Muhūrtāṣṭaka*
- C *Bhāḍipikā* on an unidentified work
- C *Vakyadipikā* on an unidentified work

Ref. *Ker. Astron.*, pp. 2ff., 19-20; 52-54, § 23; K.V. Sarma, Intro. to his edns. of P's works; Raja, 136-43; Sen, pp. 166-70; UI. II. 100-5; UI. Sup. I. 212-19; Va I. 378-83.

Parameśvara II

- C *Pārameśvarī* (II) on the *Praśnaṣatpāñcāśikā* of Pṛthuyāśas.
- C *Pārameśvarī* or *Horābhiprāyanirṇaya* on the *Horā*.

Ref. *Ker. Astron.*, p. 73, § 61.

Parameśvara III, disciple of Śaṅkara:

- C *Jātakacandrikā* or *Viśvāvṛthadīpinī* on the *Horā*

Ref. *Ker. Astron.*, p. 73, § 62.

Parameśvara IV: Parameśvaran Nampūtīri of Puradahanapura (Mal. Purayannūr) family, c. 1775-1839; pupil of Agnidattan Nampūtīri.

- Aṣṭamijayantīnirṇaya*.
- C *Varadīpikā* on *Muhūrtāpadavi* II.

Ref. *Ker. Astron.*, pp. 76-77, § 72; UI. III. 476-77; Va. II. 60⁵-12.

Parameśvara V: Parameśvaran Pottī of Vazhamaveli house in Chennanoor; renowned astronomer-astrologer and teacher of the prolific writer Śaṅkaran Nampūtīri of Mahiṣamaṅgalam.

Ref. *Ker. Astron.*, pp. 62-63, § 37; p. 64, § 38.

Parameśvara VI, (c. 1775-1825), astronomer; teacher of Ghaṭigopa.

Ref. *Ker. Astron.*, p. 77, § 74.

Paralperu (arith.), Skt.-Mal., Anon. Ms. C. 13-B (65 gr.)

Parahitam or *Grahacāranibandhanam* : See *Grahacāranibandhanam*.

Parahitakarāṇam (kar.), Anon. Ms. 5820 C.

Do.—C (Mal.), Anon: Ms. 5820-C.

Parahitakhaṇḍaḥ (kar.), Anon. Ms. 11044-S (6 gr.; M.E. 948).

Parahitagāṇitam (kar.), Anon. Ms. 411-B-1. 13300-F, L. 1248-I.

Parahitavyākhyāgāṇita (kar.), Anon. Mss. Ad.; Sarasvati Mahal Library, Tanjore.

Parahitādiyyaḥ (kar.), Anon. Ms. L. 1076-B.

[*Parāśarahora* (astrol.)]

—C *Prakaṭārtha* or *Sampradāyapradipikā* by Govinda-svāmin.

Mss. Sarasvati Mahal Library, Tanjore, D. 11498, D. 11499; Or. Res. Inst., Mysore, 3166.

Palīśa-ślokaṇṇal (calculation of interest), by Putumana Somayāji.

Mss. C. 2314 (folio 74), C. 2470 (folio 98).

Pāṭu gaṇippan Bhāṣā : See C (Mal.) on *Vyatīpātavaidhṛta*.

Pāṭum pirappum (kar.), Mal. verse, Anon., 20 gr. Ms. L. 251-B.

Pāṭhya : Name of anon. C on *Horā*.

Putumana Somayāji (c. 1660-1740), native Śivapura (Trichur).

—*Karaṇapaddhati*

—*Gaṇitagrantha*

—*Grahaṇagaṇita* I

—*Grahaṇāṣṭaka* II

—*Jātakadeśamārga* I

— Do II

—*Nyāyaratna* I

— Do. II

—*Pañcabodha* III

Putumana Somayaji (contd.)—*Paṭiśa-slokaṇṇa* (Mal.)—*Veṇvārohaṣṭāka*—C (Mal.) on the *Laghumānasa* of Muñjāla

Ref. *Ker. Astron.* pp. 68-69, § 49; K.V. Sarma, 'P, an astronomer of Kerala and his hitherto unknown works', *Proc. of the 18th All-India Or. Conf., Annamalaiagar, 1955*, pp. 562-64. Intro. to *Karaṇapaddhati*, (Madras, 1956), pp. xxi-xxxi; Raja, 162-65; Ul. II. 107-9; Ul. Sup. I. 212-15; Va. I. 529-31.

Purayannūr Nampūtiri : See Parmeśvara IV.

Puruṣottama I, Māttūr Nampūiri, c. 1475-1535.

—*Muhūrtapadavī* II

Ref. *Ker. Astron.*, pp. 61-62, § 34.

Puruṣottama II, c. 1675-1750.

—*Pañcabodha* IV or *Pañcabodhaśataka*

Ref. *Ker. Astron.*, pp. 67-68, § 48.

Puruṣottama III : Puruṣottaman Mūssatu, (c. 1850-1900), of Kūttaleṭattu family, pupil of Bhāskara, Śaṅkara, Vahni and Nārāyaṇa, and grand-disciple of the au. of *Praśnamārga*.

—*Praśnāyana*—C on his own *Praśnāyana*

Ref. *Ker. Astron.*, pp. 79-80, § 79.

Pulimukhattu Pottī (1686-1758), astrological authority.

Ref. *Ker. Astron.*, p. 5.

Purṇaprajña- or **Pūrṇaprabodha-** Śiṣya,

—*Kalaprakāśika*—C (X) (Mal.) on *Horā*

Poruttam I (astrol.), Anon.

Beg. yadyatphalam narabhava kṣamam aṅganānām
tattad vadet patiṣu vā sakalam vidheyam /
teṣām tu bhartṛmaraṇam nidhane vapuś ca
lagnendugam subhagatāstamaye patiś ca //

Ms. CM. 6-B.

Do.—C (Mal.). Beg. itinnupadeśamāvatu— yadyat yātorikkal.

Ms. CM. 6-B.

Poruttam II (astrol.), Mal.-Skt., 100 gr.

Beg. jāto janmatrayāt striṇām vipat pratyaranaidhane (?) /
varjyo'trāpi viśeṣeṇa kuvedāgnyamśajah kramāt //

Ms. CM. 173-B.

Poruttam cārttum prakāram (?) (astrol.), (Mal.), Anon.

Beg. naṭe rāṣipporuttatte nirūpikka—
strijanmato raṇṭatha mūnnum aṇcum ḡ
aṇum vivarjjikka śubho'nyarāśau //

Ms. CM. 4147-D.

Prakāṭārtha : Name of C by Govindasvāmin on *Parāśarahorā*.

Prakāśalatikā or *Dviśatī* : See *Dviśatī*.

Prakāśikā : Name of C by Nityapraśā Yati on *Horā*.

Prakīrṇasaṅgraha (kar.) : Same as *Pañcabodha* I, with certain differences. Mss. See *Ker.*, II. p. 156. Ref. Va. III. 390-96.

Prathamārtavādiphalam (astrol.), Mal. prose, Anon. Ms. 5820-D.

Praśnacintā (pra.), Anon., Skt.-Mal.

Beg. ravyuccāśṛktamomandacandrajñāguravaḥ kramāt /
prāgādyasṭamadiksthānāt prārabdhārkodayāditaḥ //
.....santatipraśnam nirūpippān...

Ms. T. 144-D (b)

Praśnajñānam or *Praścalāñchanam* : See *Praśnalāñchanam*.

Praśnapaddhati (pra.), Anon. Ms. Vayaskara Illam, Kottayam, 92-A.

Praśnaprakāśikā I (pra.), Mal. prose-verse, Anon., in 7 chs., 1150 gr.

Beg. vande'hām giriśāsūnum jñānamūrtim gurūn grahān /
Praśnaprakāśikām vakṣye bālakānam hitāya vai //

Mss. C. 554, T. 326. Ref. Ul. III. 242.

Praśnaprakāśikā II (pra.), Mal. prose, Anon. Ms. 3383-F.

Praśnaphalam I (pra.), Mal. prose, Anon. Ms. T. 144-B.

Praśnaphalam II (pra.), Mal. verse, Anon. Ms. 3383-B.

Praśnaphalaprāptikālanirṇaya (pra.), by a disciple of Kṛṣṇa.

Beg. Kṛṣṇācāryamatam samyak paryālocya punaḥ punāḥ /
praṣṭuḥ praśnānusāreṇa phalam vācyam vipaścitā //
atha *Praśnaphalaprāpteḥ* kathyate *Kālanirṇayaḥ* |

End : Kṛṣṇācāryasya śiṣyeṇa Horāṇām upapāditā /
Kṛṣṇācāryaprasādena prasādāc ca vivasvataḥ //
Kṛṣṇācāryopadiṣṭārthaḥ yeṣāṃ manasi vartate /
avyāhātamatis teṣāṃ phalabhāge pravartate //

Ms. Ms. D. 13950.

Praśna-Bhaṣa I (pra.), Mal. verse, Anon.

Beg. mattebhāsyam praṇamyādau bhāskarādīn grahān gurūn /
Praśnabhāṣam pravakṣyāmi balānam aṭivān aham //

Mss. See *Ker. Mal.*, pp. 89-90 ; CM. 563-F, PM. 4026-E. Edn.
Śrī Vanchi Setu Lakshmi Series, No. 4, Trivandrum, 1926.
Ref. Va. III. 383.

Praśna-Bhāṣā II (pra.), Skt.-Mal., Anon. Mss. 3671-E, 5095 B,
5780-A.

Praśnamārga I (pra.), by a member of the Panakkāṭṭu or Iṭakkāṭṭu
Nampūtiri family, (c. A.D. 1650), in 32 chs., 400 gr.

Mss. See *Ker.*, II. pp. 177-78, Edn. Punnaśseri Nilakaṇṭha Śarmā,
Trichur, M.E. 1104. Ref. Ul. III. 87-89 ; Va. III. 400-5.

Do.—C. I, *Durgamārthaprakāśinī*, by the author himself. Mss. *Ker.*
II. p. 178. Ref. Ul. III. 89 ; Va. III. 400-5.

Do.—C II (Mal.), Anon.

Beg. ...vedattinte cakṣussallo i śāstramākunnatu. atukoṇṭu
aṅgaṇṇaḷil i śāstram pradhānam ennu vannū.

Ref. Va. III. 405.

Do.—C III (Mal.), by Āzhvāñceri Tamprākkaḷ, included in his
Phalasārasamuccaya (*Praśnabhāga*).

Do.—C IV (Mal. rendering), being chs. I-XII of the *Praśnarīti* of
Iṭakkāṭṭu Kukkaṇiyāl.

Praśnamārga II (pra.), Mal. prose, Anon. Ms. L. 1100-B.

Praśnamārga III (pra.), Mal. verse, Anon., 1000 gr. Ms. T. 155.

Praśnamārga : See also *Laghu-Praśnamārga*.

Praśnamālā (pra.), Anon., by Śaṅkara of Mahiṣamaṅgalaṃ

Beg. vande giriśam girijāśametam... (1) ;
praṣṭuḥ svabhāveḥkṣaṇaveṣabhāṣā... (2)

Ms. TM. 213.

Do.—C (Mal.), Anon., possibly by the author himself.

Beg. jātakasāraṇṇaḥilum praśnasāraṇṇaḥilum bhūtalakṣaṇam
nimittam...

Ms. TM. 213. Ref. Ul. III. 242. Rem. The Skt. text and the
Mal. C have only a common *maṅgala-śloka*.

Praśnaratna (pra.), Anon., 350 gr., (Ker. ?)

Beg. yatsvātantryakalākālaścillavo jyotiśam gaṇaḥ /
candrapūṣamadaḥ pūrṇacidānandam aham śraye //

Mss. Ker., II. p. 179.

Praśnarīti I (pra.), by Dāmodaran Nampūtiri of the Maṅgalaśśeri house.

Ref. Va. III. 379.

Praśnarīti II (pra.), (Mal. verse), by Itakkāṭṭu Kukkaṇiyāl, 17th
cent., in 20 chs. Mss. See *Ker. Mal.*, p. 90. Edn. in the Mal.
monthly *Kavanodayam*, (Kozhikode). Ref. Ul. III. 236-37 ;
Ul. Sup. I. 536 ; Va. III. 405-6.

Praśnalakṣaṇam I (pra.), Skt.-Mal., Anon. Ms. 13494-F.

Praśnalakṣaṇam II (pra.), Mal. prose. Anon. Ms. 13042-D

Praśnalakṣaṇam III (pra.), Mal. prose, Anon. Ms. L. 331.

Praśnalāñchanam or *Praśnajñānam* (pra.), Skt.-Mal., Anon., 294 vv.

Beg. ravicandrabhaumasomajasuraguruśukrārkaśādikān natvā /
vakṣye Lāñchanarūpam Praśnajñānam hitāya daivavidām //

Mss. 6007-G, 14294-N, L. 327-D. Ref. Va. III. 387-88.

[*Praśnaṣatpañcāśikā* (pra.), by Pṛthuyāśas].

Do.—C I, *Parameśvarī*, by Parameśvara I, 300 gr.

Beg. namaskṛtya gaṇeśānam... (1) ; tatra prathamam kendra-
catuṣkasya saṅkṣepād viśayabhedān āha.

Mss. 5963, 12235, C. 2132-B, T. 612.

Praśnaṣaṭpañcāśika (contd.)

Do.—C II, *Pārameśvarī*, by Parameśvara II, 330 gr.

Beg. keśajārkanisākarān kṣitijavijjivāpnujitsūryajān ...
lokānam hitakāmyayā dvijavaraṣ ṭikām karoty ujjalām //

Mss. C. 652-A, T. 962.

Praśnasāṅgraha, *Praśnasārasāṅgraha* or *Sārasāṅgraha* (pra.),

Anon.

Beg. sūryendvagnivilocanam ... Cellūranātham śivam (1) ;
Madhyāṭavayadhipam praṇamya kamalam ... (2) ;
skandheṣu triṣu saśramaḥ kṛtamanāḥ ... (3)

Ms. Whish, 144 (1).

Praśnasāra I (pra.), by Mādhava of Īncakkāzhvā family, in 16 chs.,
960 gr., A.D. 1543. Mss. C. 2139-B, C. 2478-A. Edn. *Sri Vanchi*
Setu Lakshmi Series, No. 11, Trivāndrum. Ref. Ul. II. 475-77.

Praśnasāra II (pra.), by Śaṅkara, in 4 chs. (Skt.-Mal.)

Beg. daivajñopahito'tha deśasamayau ...

Mss. 10582-A, CM. 565-F, PM. 4168.

Do.—C (Mal.), Anon., possibly by the author himself. Mss. 10582-A,
CM. 565-F, PM. 4168.

Praśnasāra III (pra.), by a Somayāji of Bhūtanāthapura, pupil of
Vaidyanātha. Mss. 2745, 12810-A, C. 2007-D, T. 876.

Praśnasārasāṅgraha : See *Praśnasāṅgraha*.

Praśnasārasamuccaya (pra.), Anon.

Beg. praṇipatya gaṇeśānam jñānamūrtim divākaram |
Praśnaśāstram samālokya vakṣye Sārasamuccayam //

Mss. P. 896, P. 897, P. 898.

Do.—C (Mal.), Anon.

Beg. praṇipatya ... ennatin poru!—aham gaṇeśānam praṇipatya
Sārasamuccayam vakṣye.

Ms. P. 898.

Praśnadārśa or *Jñānapradīpikā* : See *Jñānapradīpikā*.

Bibl. Intro. 9

Praśnanuṣṭhanam (pra.) Anon.

Beg. padabhāvaguṇā senā ramyaḥnā hinabhā dalā /

Ms. CM. 543-A.

Do.—C (Mal.), Anon. Ms. CM. 543-A.

Praśnanuṣṭhanapaddhati I (pra.), Anon., probably by Śaṅkara of the next entry, 720 gr.

Beg. astu trailokyadipāya bhaktābhimatadāyine /
samastavidyānirmāṇakavaye ravaye namaḥ //
svasthacitto viviktasthaḥ samabhyarcya gaṇādhīpam /
nijaṇ gurūn devatāś ca sūryādīmś ca navagrahān //

Mss. 722-A, 10582-B, C. 632-C, C. 733-B, TM. 36. Ref. Ul. Sup. I. 223-24.

Praśnanuṣṭhanapaddhati II (pra.) by Śaṅkara, in 24 chs., Possibly, an enlarged version of the previous work, *Praśn*° I. 1550 gr.

Beg. astu trailokyadipāya (as above) (1);
prātarvidhim vidhivad eva vidhāya pūrvam
kṛtvā punar japavidhim gaṇanam grahāṇām /

Mss. 4162-A, 6121-B, 6126, C. 962-C, C. 2066-A, L. 839, P. 899, P. 900. T. 36. Ref. Ul. Sup. I. 223; Va. III. 386-87.

Praśnamṛta (pra.), by Śrīkumāra, son of Nilakaṇṭha and pupil of Nārāyaṇa, of the village of Dvipakānana (? Mal. Ānakkāḍ), in 6 chs., 400 gr. Mss. 1154 C, 3671-C; Whish 118 (2).

Praśnayana (pra.), by Puruṣottamaṇ Mūssatu, in 15 sns., A.D. 1881. Mss. 15084, T. 955. Edn. TSS 233 (with C), Trivandrum, 1968. Ref. Ul. Sup. I. 225.

Do.—C, by the author himself. Mss. C. 721, T. 955. Edn. TSS 223, above. Ref. Ul. Sup. I. 225.

Praśnarūḍhadinirūpaṇam (pra.), Mal. prose, Anon. Ms. 13294-B.

Praśnopadeśa I (pra.), Old Mal. prose, Anon.

Beg. rogapraśnamāvitū—guḷikane vaccu...

Ms. PM. 4169 (412 gr.)

Praśnopadeśa II (pra.), Mal. prose, Anon. Ms. 14218-B.

Prasavādipraśnaphalam (pra.), Mal. prose, Anon., Ms. L. 336. E.
[*Phaladīpikā* (astrol.) by Mantreśvara :] C (Mal.), Anon. Ms.
C. 2226-B.

Phalanirṇaya (astrol.) : See *Vārādīphalanirṇayaḥ*.

Phalasārasamuccaya (astrol.), by Āzhvāñceri Tamprākkaḷ.
Ms. L. 1249-A (inc., 150 gr.), in three sections devoted to
Jātaka, *Praśna* and *Muhūrta*.

Do.—C (Mal.), *Bhāṣā*, by the author himself. Mss. *Jātaka* sn. :
L. 1215, T. 132-A, (9000 gr.); *Praśna* sn. : C. 198, L. 1216,
L. 1350-A, (5000 gr.); *Muhūrta* sn. : T. 132 B, C, (7000 gr.)

Bālabodhinī or *Bālaprabodhinī* : Name of anon. C on the
Jātakapaddhati of Parameśvara.

Balarāman Piḷḷa (19th cent.), of Nālekāṭṭil family, astrological
authority. Ref. See above, p. 5.

[*Bṛhajjātaka* (j.) by Varāhamihira : See *Horā*].

Bhagaṇahārakādivākya (kar.), Mal. prose, Anon. Ms. 13230-A.

Bhadrādīpagaṇita (kar.), (Mal.), by Iṭakramañceri Nampūtiri, in
11 chs., c. A.D. 1665. Mss. See *Ker. Mal.*, p. 98. Ref. Ul. III.
232-34 ; Ul. Sup. I. 534-35.

Bhādīpikā (astron.), C (?) on an unidentified work by Parameśvara
of Vaṭaśreṇi. Men. by him at the close of his C on the
Mahābhāskariya.

Bhāradvāja-dvija, (c. 1750-1850).

—*Karaṇadarpaṇa*

—*Gaṇitayuktayaḥ*

Ref. *Ker. Astron.*, pp. 73-74, § 63.

Bhāvacinṭāvalī (astrol.), by a pupil of Citrabhānu

Beg. natvā gaṇeśvaram vāṇim Citrabhānum gurum grabhān |
bhakīyā vilikhyate kiñcit *Bhāvacinṭāvalī* mayā //

Ref. Raja, 154 (*°cintamani*, wrongly) ; Ul. II. 275.

Bhāvavicāra (astrol.), Anon., Skt.-Mal. Ms. Vayaskara Illam,
Kottayam, List, 107.

[*Bhavadhyāya* (astrol.) : Beg. mūrtyādayaḥ padārthāḥ...]

—C (Mal.) : Beg. yātoru śāstrattiṅkal nintu yātoru grahattekkonṭu
mūrtyādikāḷāyirikkinaḷ padārthanṇal...

Ms. PM. 4241. Ref. Ul. II. 263.

Bhāṣāganitam (astron.), Mal. verse, Anon.

Beg. ādityan ādiyāyulla grabaṇṇaḷeyateṇṇuvān /
bhāṣāyittu collunnen atinulla kramaṇṇaḷe //

Ms. PM. 4368-E.

Bhāṣājyotiṣasaṅgraha : See *Jyotiṣasaṅgraha*.

Bhāṣasaṅgraha : C by Vāsudeva on *Muhūrtapadavī* V.

Bhāskarīyaganita : Name of C XI on *Līlāvati*.

Bhinnaṣṭavargopadeśa (astrol.). (Skt.-Mal.), Anon.

Beg. bhinnāṣṭavargopadeśam varutumāru collunnen ... nyūnam
yatra phalam tena ...

Ms. CM. 565-1.

Bhṅgolañāyam (astron.), (Mal.), by Itākramañceri Nampūtiri (?),
85 gr.

Beg. khamadhyato nilpitu bhūmi taṇṭe
kakṣyāntare dhāraṇa koṇṭuraccu /
uruṇṭa nāraṇṇavad ākṛtim pūṇṭ-
'isānaṭi' (1050) yojanatulyamadhyā // ...
bhūgoḷattinu naṭuve melkizhāyulla cuttilum
nālu pattanam uṇṭallo nālu dikkilum iṇṇine // ...
ākāśagoḷamadhyattil ghaṭikāmaṇḍalasthiṭ / ...
pādonāṣaṭkaramitam muḷayoṭṭu kiṛi
keṭṭicamecc akalam ā(r)api tōrayākki / ...
cemmeyuṇakkiy ivayokke varaṇṭu vannāl
keṭṭiṭṭu goḷavum uṭan kramam ottu pinne // ...
mūnnañcayampoṭu nūru raṇṭu kharago-
nakṣatrasaṅkhyāśvitaḥ /

Col. iti *Bhṅgolañāyam*.

Ms. With K.V. Sarma.

Bhūtanāthapura Somayāji

—*Praśnasāra* III

Ref. See above, p. 76, § 68.

Bhūparīkṣā (nat. astrol.), Mal. prose, Anon. Ms. 13494-Q.

Bhūmipporuttam (astrol.), Mal. prose, Anon. Ms. 13020-F.

Bhṛgukerala : See *Śukrakerala*.

Bhojanādipraśnavicāra (pra.), Mal., Anon. Ms. 13494-N.

Maṅgalaśrenivipra-Śiṣya (17th cent.)

— *Jyotiśasaṅgraha* II (Mal.)

— Ref. *Ker. Astron.*, p. 66, § 44.

• *Maṅgalaśseri Nampūtiri* : See *Damodara* II,

Maccāṭṭu Iṭayatu : See *Nārāyaṇa* VI.

Maccāṭṭu Bhāṣā : See *Jyotiśabhāṣāvali*.

Madhyamādigāṇitam (?) (kar.), Mal. Mss. See *Ker. Mal.*, p. 108.

Madhyamānayanagāṇitam (kar.), Skt.-Mal., Anon., 125 gr.
Ms. 1025-G.

• *Madhyamānayanaprakāra* (astron.), by Mādhava of Saṅgamagrāma.
Qn. in *Tantrasaṅgrāha* of Nilakaṇṭha Somayāji.

Do.—C, Anon.

Beg. 'vistṛti'-tyādi, 'arkendvor'-ityādi-anayor ślokeyor yukti-
pradarśanāya ...

Ms. IO 6301 (ff. 16-18).

Marāṇavākya (astrol.), Mal. prose, Anon. Ms. L. 1075-F.

Malamāsanirṇaya (astron.), Mal. prose, Anon. Ms. L. 1229-B.

Malamāsavicāra (astron.), Mal. prose, Anon., 50 gr. Ms. L.
1229-C.

Mahājyadyānayanam (?) (astron.), (Mal.). Ms. 13294-0
(350 gr.)

Mahāyānayanaprakāra (?) (astron.), by Mādhava of Saṅgama-
grāma.

Do.—C, Anon.

Beg. 'nihatya cāpavargeṇa ...', iṣṭacāpavargeṇa iṣṭacāpam, tat-
phalāni ca nihatya ...

Ms. IO 6301 (ff. 12-16).

[*Mahābhaskariyam* (astron.), by Bhāskara I]

Do.—C I, *Bhāṣya*, by Govindasvāmin. Mss. 5847, 12562-A, C. 1888-A. P. 903, P. 945, P. 977 (on ff. 59-98, not sep. catalogued), T. 844; Mad. R. 5138. Edn. by T. S. Kuppanna Sastri, *Madras Govt. Or. Ser.*, No. 130.

Do.—CC I, *Siddhāntadīpikā*, by Parameśvara. Mss. 274, T. 931. Edn. With C, above.

Do.—CC II, by Sūryadeva Yajvan.

Ref. By Sūryadeva Yajvan himself towards the end of his C on *Laghumānasa*: “pūrvam mayā ... *Bhāskarācārya-Mahātāntravivaraṇam Govindasvāmyam* prathamam vyākhyātam,”

Do.—C II, *Karmadīpikā*, by Parameśvara.

Ms. Mad. R. 3842. Edn. *Ananadāśrama Skt. Ser.*, No. 126, Poona, 1945.

Do.—C III, *Prayogaracanā*, Anon.

Beg. praṇamata śivam aniśam ... (1); kriyate *Prayogaracanā* ... (2); akṣarasamjñā jñeyā ... (3). kalām bibhartiti devatā-namaskāraḥ.

Mss. 8933-A, C. 166-I, C 2121-B, T. 176; Mad. R. 3034.

Mahāmarganibandhanam (astron.), by Haridatta. Basic text of the Parahita system of Kerala astronomy. Men. In the au's. *Grahacāranibandhana*, III. 44.

[*Mahayātrā* (astrol.), by Varāhamihira]

—C by Sūryadeva Yajvan

Men. By Sūryadeva Yajvan himself at the close of in his C on *Laghumānasa*: “mayā...tato *Varāhamihirakṛtā Mahayātrā* saṅkṣepeṇa vyākhyātā.”

Mahīṣamaṅgalam Nāmpūtiri: See Śaṅkara III.

Māttur Nampūtiri-s of Pāñcāla-grāma (Mal. Pāññāl), c. 1475-1535.

—*Muhūrtapadavī* II, by Puruṣottama

—*Muhūrtapadavī* III, by Subrahmaṇya

Ref. *Ker. Astron.*, pp. 61-62, § 34. See also Ul. II. 109-11 and Va. II. 601-2, where the two authors are not identified.

• *Mādhava*: See also *Vidyāmādhava*.

Mādhava I, (c. 1340-1425), of Saṅgamagrāma near Cochin, teacher of Parameśvara of Vaṭaśreṇi.

③—*Golavāda*

—*Madhyamānayanaprakāra*

—*Mahājyānayanaprakāra*

—*Lagnaprakaraṇa*

—*Veṅvāroha*

—*Śilam rājñah śriyetyādi-vilīptādivakyāni*

Ref. *Ker. Astron.*, pp. 16ff. ; 51-52, § 22 ; K.V. Sarma, Intro. to his edn. of *Veṅvāroha*, pp. 5-10 ; Raja, 133-36 ; Ul. II. 98-100 ; Va. I. 387-88 ; III. 388-90.

Mādhava II, of Īncakkāzhvā, 16th cent., pupil of Govindamaṅgalam Nampi.

—*Praśnasāra* I (Mal.)

Ref. *Ker. Astron.*, p. 64, § 38 ; Ul. II. 475-77.

Manasagaṇitam (astron), by Putumana Somayāji. Possibly, same as the C III (Mal.). *Mānasocitam*, on *Laghumānasa*, noticed below. Men. K. Rama Varma Raja, 'The brahmins of Malabar', *Jl. of the Royal As. Soc.* (1910), p. 635.

Manasocitam or *Mānasam eṇṇum prakāram* : Name of C III (Mal.) by Putumana Somayāji (?) on the *Laghumānasa* of Muñjāla.

Malinī-kṣiprapraśna (pra.), Mal. prose, Anon. Ms. 14163-A.

[*Muṣṭipraśna* (pra.)]

Do.—C (Mal), 35 gr. Ms. 8358-C.

Muhūrtakalaparakāśikā : See *Kālaparakāśikā*.

Muhūrtam Bhāṣā I (Muh.), Mal. maṇipravāla verse, Anon.

Mss. See *Ker. Mal.*, p. 113.

Muhūrtam Bhāṣā II (muh.), Skt.-Mal., Anon. Ms. 5033-C.

Muhūrtam Bhāṣā III (muh.), Mal. prose, Anon. Ms. 6007-C.

Muhūrtakaumudī (muh.), Mal. verse, Anon. Mss. 8345. T. 1173.

Muhūrtadarśana (muh.), by Vidyāmādhava of Nīlamana, in 15 chs.

Mss. See *Ker.*, II. pp. 313-14; Ad.; Mad.; Mysore.

Edn. Or. Res. Inst., Mysore, 3 vols., 1923-26. Ref. Ul. II. 95; Va. I. 443-44.

Do.—C I, *Dīpikā*, by Viṣṇu, the author's son. Mss. C. 139, C. 337, C. 2200, T. 225. Edn. With the text, above.

Do.—C II, *Bhāvaprakāśa*, by Subrahmaṇya, 3300 gr. Ms. 8355.

Ref. Ul. Sup. I. 540; Va. I. 444.

Do.—C III (Mal.), Anon.

Beg. śrīyam śrīgurupādābjapāmsavaḥ pradiśanti vaḥ /
bhavanti bhavarāśer ye sukhottarahetavaḥ //

iti. *Muhūrtadarśanamākunna* prakaraṇatte camappān tuṭaṇṇunna
ācāryan atinṭe ... 'jayatyameya' (text.) iti. savitā jayati—
oṭṭozhiyāte uḷla lokaṇṇaḷuṭe prasūtikāraṇamāyulla ādityan ...

Mss. 420, 3761-A, 5853, 6043, 10921, 11083, C. 564. C. 2138,
C. 2140, C. 2515-A, T. 277.

Do.—C IV (Mal.), Anon.

Beg. jayatyameyāmsu (etc.), (text). savitā jayati—ādityan
yallāyilum mel varttikkunnon. ellārakkāṭṭil prādhānyam
entenneṭattu collunnū.

Mss. CM. 564, P. 910.

Do.—C V (Mal.), Anon. Mss. 284, 621-B, 11010-A, T. 152.

Do.—C VI (Mal.), by Āzhvāñceri Tamprakkal, incorporated in his
Phalasārasamuccaya (*Muhūrta* section).

Do.—C VII (Mal.), Anon., unidentified. Ms. Mad. D. 13594 (ch. II,
inc.)

Muhūrtadīpaka (muh.), by Nārāyaṇa, son of Keśava of Kāṇṇavastu.

Mss. 1055-B, 5835-A, P. 911, P. 912. Ref. Ul. II. 107; Va. II.
612-13.

Muhūrtanirṇaya (muh.), (Mal.), Anon. Mss. T. 144-A, B.

Muhūrtapadavī I (muh.), ascribed to Govinda Bhaṭṭatīri of
Talakkulam. Qn. In C, *Varadīpikā*, by Parameśvara IV on
Muhūrtapadavī II. Ref. Ul. II. 110.

Muhūrtapadavī II (muh.), by Puruṣottama of the Māttūr Nampūtiri family from Pāñcālagrāma (Mal. Pāññāl), in 36 verses.

Beg. pratyūhapraṇihantāram praṇipaty gaṇādhīpam /
muhūrṭāvagaṃe mārgam ṛjum kartum yatāmahe //1//
ulkorvicalanoparāgaguḷikāḥ (etc.) //2//

End : V(B)ṛhadāvṛti-gehasambhavana
dvijaṛājñā *Puruṣottamābhidhena* /
gurunāthakṛpābalāt kṛtam yat
tad idam sadviduṣām mude'stu nityam // (Ms. IO 8070)

Mss. See *Ker.*, II. pp. 315-18 ; P. 914 ; IO 8070 ; Ad.
Edn. C. K. Vasudeva Sarma, Kozhikode, 1952. Ref. Ul. I.
110-11 ; Va. II.602-12. Authorship. See *Ker. Astron.*, p. 61.

Do.—C I, *Dīpa* or *Muhūrtasaraṇī-dīpa*, Anon.

Beg. namāmi vighnarājam tam vighnarājanivṛttaye / ... (1)
Muhūrtasaraṇī-dīpam sarvasaṃśayanāśanam /
vyākhyānam likhitum yatnam karomi janarāñjanam //
(text) ulketyādi...

Mss. 3172-A, 3567, 3577-E, C. 1023-C. Ref. Ul. II.111.

Do.—C II, *Varadīpikā*, by Parameśvara IV, of Puradahanapura (Mal. Purayannūr), A.D. 1815, 2000 gr. Mss. 5880, 13481-B, L. 397,
T. 33, TM. 234 ; Ad. Edn. Trichur. Ref. Ul. III. 476-77 ;
Ul. Sup. I. 627 ; Va. II. 605-12.

Do.—C III, Anon.

Beg. ulkorvī (etc.) ulkā alātapatanam. urvicalanam bhūmi-
kampāḥ. etayor eko vā yasmin dine dṛṣyate...

Ms. C. 1908-G.

Do.—C IV (Mal.), *Bālaśaṅkaram*, by Śaṅkaran Nampūtiri of
Maṇḍamaṅgalam, A.D. 1540. Mss. See *Ker.*, II. p. 317 ; *Ker.*
Mal., p. 114. Edn. *Śrī Vanchi Setu Lakshmi Series*, No. 5,
Trivandrum, 1926. Ref. Ul. II. 471. Note. Mss. 13329-A and
L. 165-B contain more matter than in the edn. above.

Do.—C V (Mal.), by Citrabhānu-Śiṣya¹(?)

Beg. abhivādya gaṇādhyaṣam vāgdevīm ca gurūn grahān /
Muhūrtapadavīm eṣa bhāṣay¹ vyākāromy aham //

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Muhūrtapadavī III, C V (contd.)

iti. Muhūrtapadaviyām granthatte camappaān tṭaṇṇunna ācāryan...

Mss. P. 924, P. 925, P. 926. Authorship. Suggested on the basis of the characteristic *maṅgala-sloka*.

Do.—C VI (Mal.), *Tamprakkal Bhāṣā*, by Āzhvāñceri Tamprakkal. Edn. Trichur.

Muhūrtapadavī III (muh.), by Subrahmaṇya of the Mattūr family, in 44 verses, 100 gr.

Beg. pratyūhapraṇihantr kiñcana mahaḥ sañcintya bhāsām nidhim bhānum ca, kriyate *Muhūrtapadavī* saṅkṣiptasāstrāntarā...(1)
doṣalakṣaṇabalābalādikam... (2)

Mss. P. 913, P. 215 to 22-A. Ref. Ul. II, 110. Authorship. See *Ker. Astron.*, p. 61, and C I, below.

Do.—C I (Mal.), Anon.

Beg. 'vṛddhimdheyāddhitāyā'sau...padyair iyaṁ kṛtā

Muhūrtapadavī yena *Subrahmaṇyam* praṇaumi tam //1//

Mss. 12576, L. 865, L. 1103-A, L. 5352-C ; Āzhvāñceri List, 81. Note. The gap in the above verse should have contained two letters, like *vagha* ('yāsā'vagha'o) denoting 44, being the number of verses in the work.

Do.—C II (Mal.), Anon.

Beg. aham kiñcana mahaḥ bhāsām nidhim bhānum ca sañcintya *Muhūrtapadavī* kriyate ity anvayaḥ.

Ms. PM. 4260-A.

Muhūrtapadavī IV (muh.), Anon., in 32 verses. Ref. Ul. II. 110.

Muhūrtapadavī V (?) (muh.), Anon.

Beg. cakrārdham mṛtivaidhṛtam ca guḷikaḥ
sandhyāhimastam viṣam
gaṇḍāntam navadoṣaketujananam
sāyāhnam ekārgalam /
saṅkrāntigrahaṇāṇ ca dagdham aśanir
vṛṣṭyulkabhūkamparam
ṣaḍdoṣam bahulaṇ ca yāmyam ayanam
coṣṇaṇ ca śukrekṣaṇam //

Muhūrtapadavī V (contd.)

Mss.^o P. 894-C (cata. as *Jātakasāra-Keralabhāṣā*), P. 947-B (cata. as *Bhāṣāsaṅgraha*).

Do.—C (Mal. verse), *Bhāṣāsaṅgraha*, by Vāsudeva of Vaḷḷimana, in two versions of 178 or 185 verses, respectively.

Beg. jyotiśśreṣṭham aham vande sahasrakiraṇam ravim /
 dñeśam amarastutyam jaga- (broken) //
 tumpayum tiṅkaḷum cūṭintappante mumpile makan /
 mamānamukamuḷḷappan akalappōkkukāpadaḥ //
 vakṣye namaskaricittu vijñātum bhūtanāthane /
 bālānam pozhutum mātram *Bhāṣāsaṅgraham* ity aham //
 (text) : cakrārdham etc.

Mss. Version I in 178 verses : 13479-Q; version II in 185 verses : P. 894-C (cata. as *Jātakasāra-Keralabhāṣā*), P. 947-B (cata. as *Bhāṣāsaṅgraha*), T. 153. Note : Ul. (II, 270, 473) takes this as an independent work on *muhūrta* by Śaṅkaran Nampūriti of Mahiṣamaṅgalam.

Muhūrtapadavī VI (muh.), by Tuppan Nampūtiri of Itavattikkāṭṭu family, in 40½ verses. Ref. Ul. III. 475-76.

Muhūrtapadavī VII (muh.), by Nārāyaṇan Nampūtiri of Itavattikkāṭṭu family, in 36 verses. Ref. Ul. II. 475-76.

Muhūrtapaddhati (muh.), Anon., (Ker. ?). Ms. 14045-B.

Muhūrtam Bhāṣā, *Muhūrtavidhi* or *Tāmaranallūr Bhāṣā* (muh.), (Old Mal.), by a member of the Tāmaranallūr family and protégé of Ceyyūr (? Cellūr) Nārāyaṇan Nampūtiri, 300 gr.

Mss. 151-B, 515-A, 5835-C, 5839, PM. 4113-B, PM. 4147-A, (the last two cata. as *Muhūrtapadavī-Bhāṣā*). Ref. Ul. I. 400-1 ; Ul. Sup. I.146 ; Va. III.396.

Muhūrtamādhaviya : See *Muhūrtadarśana*.

Muhūrtaratna (muh.) by Govinda, in 4 chs. Mss. See Ker., II. p. 318 ; Mad. Ref. Va. II. 499-500.

Do.—C by Parameśvara of Vaṭaśreṇi. Mss. 5853-B, C. 138, T. 144 A-B. Ref. Va. II. 500, where it is wrongly stated that the author is different from P of Vaṭaśreṇi.

Muhūrtalakṣaṇam I (muh.), Anon. Ms. 865-B.

Muhūrtalakṣaṇam II (muh.), Mal. prose, Anon., Ms. T. 144-C-4.

Muhūrtalīlānchanam (muh.), Mal. prose, Anon., 100 gr.
Mss. 1134-D, L. 1352-E.

Muhūrtavicāra (muh.), Mal. prose, Anon. Ms. L. 899-A.

Muhūrtavidhi I (muh.), Mal. prose, Anon. Ms. L. 139-B.

Muhūrtavidhi II (muh.), Mal. verse, Anon. Ms. L. 398.

Muhūrtavidhi : See also *Muhūrtam Bhāṣā*.

Muhūrtabharāṇa (muh.), by Dāmodara of the Bhāradvāja gotra,
in 9 chs., 1000 gr. Mss. T. 240, TM. 71. Ref. Ul. II. 105-6;
Ul. Sup. I. 210-11.

Muhūrtaṣṭaka (muh.), Anon., 20 gr.

Beg. Jyesthāśleṣāgnirakṣohara (etc.)

Mss. 1055-H, P. 865, P. 866.

Do.—C I, *Ācaradīpikā*, in verse, by Ravi, 130 gr.

Mss. See *Ker.*, II, p. 319; P. 865, P. 866. Ref. Ul. II. 113-14.

Do.—C II, *Dīpikā*, by Paramaśvara of Vaṭaśreṇi.

Men. By him at the close of his C on the *Mahābhāskariya*.

Maudhyādigaṇitam (?) (kar.), (Mal.) Mss. *Ker. Mal.*,
pp. 116-17.

Yatraphalam (astrol.), Mal. verse, Anon., 20 gr. Ms. 5038-D.

Yatramuhūrta (muh.), Mal. prose, Anon., Ms. 10752-P.

Yuktibhāṣā or *Gaṇitanyāyasaṅgraha* (math.-astron. rationale), by
Jyesthadeva, in two parts : Pt. I. Mathematics and Pt. II.
Astronomy. 5350 gr. Mss. See *Ker. Mal.*, p. 48 (cata,
Gaṇitanyāyasaṅgraha), p. 117. Edn. with Notes by Rama Varma
Maru Thampuram and A. R. Akhilesvara Ayyar, Trichur, 1948;
(Pt. I only); With Notes, K.V. Sarma (Pt. II only); Gov. Or.
Mss. Library, Madras, 1954. Skt version : See *Gaṇityukti*, Mad;
R. 4382. Ref. Raja, 157-58; Sen, p. 73; Ul. III. 439-40;
Ul. Sup. I. 612-16.

Yogaphala (astrol.), Mal. prose, Anon. Ms. 13494-J.

Yogādīphalam (astrol.), Mal. prose, Anon. Ms. 5109-G.

Yogyādividhi (astron.), Skt.-Mal., Anon. Ms. 13241-G.

Raṇadīpikā (astrol.), by Kumāra Gaṇaka, in 8 chs. Ms. C. 531-D.

Qn. in *Praśnamārga* (A.D. 1650). Edn. TSS 95. Ref. Ul. II. 112-13; Va. II. 725-29.

Ravi, (c. 1425-1530), Teacher of Nilakaṇṭha Somayāji.

—C *Ācaradīpikā* on *Muhūrtāṣṭaka*

Ref. *Ker. Astron.*, p. 55, § 25; Ul. II. 113-14.

Ravisankramādigaṇitam (?) (astron.), Mal., Anon. Ms. 6132-B (200 gr.).

Rājarāja Varmā I : Vidvān Karīndran Ceruṇṇi Koyittampurān of Kilimanoor, (1812-46). Ref. *Ker. Astron.*, pp. 5-6.

Rājarāja Varmā II : A.R. Rajaraja Varma Koyittampurān, (1853-1918).

—*Karaṇapariṣkaraṇa*

—*Pancāṅgasuddhipaddhati*

—C *Jyotiṣaprakāśana*, on the *Golādhyāya* of Bhāskara II.

Ref. *Ker. Astron.*, pp. 80-81, § 81; Ul. V. 791-827; Ul Sup. II. 436-49; Va. VI. 27-65.

Rāma I, Teacher of the anon. au. of *Laghuhorāvivaraṇa* (Mal.).

Ref. *Ker. Astron.*, p. 67, § 47.

Rāma II : Rāman Āśān (18th cent.), astrological authority, father of Kṛṣṇadāsa. Ref. *Ker. Astron.*, p. 5; p. 74 § 65.

Rāma-Śiṣya (17th cent.)

—C *Laghuorāvivaraṇa* on *Laghuhora*

—C on *Horā*

Ref. *Ker. Astron.*, p. 67, § 47.

Ramaprasna (pra.), Skt.-Mal., Anon. Ms. 13294-J.

Rāma Varmā Koyittampurān of Grāmam, (1853-1916).

—*Jyotiṣapradīpa*

Ref. *Ker. Astron.*, p. 80, § 8) : Ul. IV. 544-46.

Rāma Vāriyar of Kaikkulangara, (1853-97).

—*Gauḷiśāstram* (Mal.)

—*Sāmudrikaśāstra* (Mal.)

—C (Mal.) on *Horā*

—C (Mal.) on *Praśnamārga* (*Pūrvārdha*)

Ref *Ker. Astron.*, p. 80, § 81 ; P.V. Krishna Variyar, life sketch, in Mal., in his book *Maṇ marañña sāhityakāraṇmār* ; Ul. IV. 267-76 ; Ul. Sup. II. 107-16 : Va. IV. 587-607.

Rāmāyaṇākṣarapraśna (pra.), Anon. Ms. Paliyam List, 826.

Rāsigolasphuṭānīti (astron. rationale), by Acyuta Piṣaraṭi.

Mss. 755 (cat. as *Gaṇitayuktayaḥ*) [G] (ff. 1-13) ; Mad. Mal. D. 339, pp. 90-95. Edn. With Tr. K.V. Sarma, Adyar Lib., Madras, 1955. Ref. Va. IV. 224-25.

Rāśidvayānayanam (?) (arith.), Anon.

Beg. rāśyor yogādighāto vargayogas tadantaram /

Ms. L. 1354-F (inc., 110 gr., with a few instructions in Mal.)

Rāsipramāṇadīphalam (?) (astrol.), Mal., Anon.

Beg. pantraṇṭu rāśi vaccu ayanacalanam kūṭṭi ...

Ms. L. 385-B.

Rāśīphalam (astrol.), Mal. prose, Anon. Ms. 10717-C.

Rāśīphalasāropadeśa : See under *Sāropadeśa*.

Rāśimānādigaṇita (?) (astron.), Mal. verse, by Śaṅkara of Mahiṣa-maṅgalam.

Beg. tumpa tiṅkaḷoṭu gaṅga tanneyum etc. (1) ;
candro rudro jayo vidyā nayas tena khaṇi raveḥ /
triṁśannādyābni guḷiko dinapañcamavan niśi //
śrivalabbhaykku meṣādi rāśimānañṇaḷ collinen /
rāgaughamunimaunam hariṇakhariṇagānimān //

Ms. C. 2297-C.

Paśivarnādivicāra (astrol.), Skt.-Mal., Anon. Ms. 13194-E.

BIBLIOGRAPHY OF AUTHORS AND WORKS

79

Rāsisamjñādividhi (astrol.), Anon. Ms. 13451.

Rudra I : Uzhutra Vāriyar, (c. 1325-1400), Teacher of Parameśvara of Vaṭaśreṇi. Ref. *Ker. Astron.*, p. 50, § 21.

Rudra II : Uzhutra Vāriyar, (c. 1475-1550).

—*Aṣṭamaṅgalapraśna*

—*C Naukā* or *Vivaraṇa* on Horā

Ref. *Ker. Astron.*, p. 62, § 36 ; Ul. II. 114-17 ; Ul. Sup. I. 234-35 ; Va. I. 531-34.

Rekḥapraśna (pra.), Mal. Anon, 60 gr.

Beg. maṇḍalajñānattiṅkalum anaṣṭye kelpām mārkaṇḍanān paṇḍu pramerkupperapurānākum vasikkumeṭam (?)

Ms. C. 1796-B.

Rekḥapraśna (ārūḍha-pa.), Mal. prose, Anon. Ms. T. 304-C.

Rogapraśna (pra.), Mal. prose, Anon. Ms. 10582-C-1.

Rogalakṣaṇa-dūtalakṣaṇādi (pra.), Mal. prose, Anon.

Beg. praśnam vacca rāṣiyuṭe aṣṭamādhipati yātoru rāṣiyil ninnu ...

Ms. PM. 4077-F.

Lakṣaṇapraśna I (pra.), Mal. prose, Anon. Ms. T. 1496.

Lakṣaṇapraśna II (pra.), Mal. verse, Anon. Ms. 5109-C.

Lagnaprakaraṇa (astron.), by Mādhava of Saṅgamagrāma, 225 gr.

Ms. 414-B, L. 1360-C ; Mad. Mal. D. 339.

Lagnadiphalam (astrol.), Mal. prose, Anon. Ms. 5109-E.

Lagnadyānayanam (astron.), Mal. prose, Anon. Ms. 5109-K.

Laghukalārpaṇam (astron.), in 8 chs., 500 verses.

Beg. māyām āśritya sṛṣṭvā jagad idam akhilam svapnavat svasvarūpe.

Ms. Mad. R. 5185 (a). Ref. Va. 390-91.

Laghujāṭaka or *Laghuhorā* : See *Laghuharā*.

Laghujatakapaddhati (jā.), Anon.

natvādyam parameśvaram gaṇapatim ... (1)

Kṛṣṇlyād aparāc ca sāram api ... (1) :

janmāyuktaphalāni janmasamayē ... (2)

Ms. Whish 144 (2).

Laghudarśinī (astrol.), by Nārāyaṇa. Ms. 844-B.

Laghu-Praśnamārga (pra.), Anon. Ms. Payyalikkā Illam,
Kottayam, 31-A.

[*Laghubhāskariya* (astron.), by Bhāskara I]

Do.—C I, *Vivarāṇa* by Śaṅkaranārāyaṇa. Mss. 4258, C, 1681, T. 277.

Edn. TSS 162. Ref. Raja, 128-29 ; Ul. I. 165-67 ; Va. 221-23.

Do.—C II *Sundarī*, by Udayaḍivākara (Ker. ?), (A. D. 1073). Mss.
C. 1885, P. 942-45 ; P. 977, T. 301.

Do.—C III, by Parameśvara of Vaṭaśreṇi. Mss. 8324-B, C. 1079-A,
C. 1348-B ; T. 19 ; Ad. ; Mad. Edn. *Anandaśrama Skt. Ser.*,
128, Poona, 1946.

Do.—C IV (Mal.), Anon.

Beg. karabadarasadrśam akhilam bhuvanagatam yatprasādena.

Ms. P. 946 (inc.)

Do.—C V (Mal.), Anon.

End : grahagaṇitakarmmaññaḷuṭe nibandham saṅkṣeṇa Bhāś-
karanāl collapeṭṭu kazhiññu.

Ms. 5157 (inc., 700 gr.).

Do.—C VI (Mal.), *Bālaśaṅkaram*, by Śaṅkara of Mahiśamaṅgalam.

Ms. C. 2146-A (inc., 350 gr.). Ref. Ul. II. 471-72.

Do.—C VII (Mal.), Anon., 1500 gr.

Beg. ellārkkum uḷḷile nilkkum mānatteyum naṭappavan /
katiron ennabhiṣṭaṇṇaḷ ellāyppozhum varuttuka //

Mss. C. 1702, T. 286, T. 862. Ref. Ul. II. 650-51.

[*Laghumanasa* (astron.), by Muñjāla]

Do.—C I, *Vāsanā* or *Mānasagrahajāñānavāsanā*, by Sūryadeva Yajvan,

Mss. P. 949, T. 38.

Laghumānasa (contd.)

Do.—C II *Parameśvara*, by Parameśvara of Vaṭaśreṇi, 600 gr.

Mss. C. 760-B, T. 28 ; Ad. ; Mysore. Edn. *Ānandaśrama Skt. Ser.*, 123, Poona, 1944.

Do.—C III (Mal. prose), *Mānasagaṇitam* (?), *Mānasocitam* (?) or *Mānasam eṇṇum prakāram*, by Putumana Somayāji (?)

Beg. gaṇeśā ninnu vandiccen *Mānasam* kathayākkuvān /
maṇḍacetassukaḷkellām pāṭham ākkām iteṇṭaham //
... *Mānasam eṇṇum prakāram*. abdam vaccu pattil perukki
appaṭi vaccu eṭṭil koṇṭu mel kūṭṭuka.

Mss. 5129-D (inc., 120 gr.), E (inc., 75 gr.). Authorship. Suggested on the basis of the tradition that Putumana Somayāji has written a *Mānasagaṇita* and the similarity in the wording of the initial verse above with certain expressions like *alpacetāsām* found in the initial verses of the other works of this author.

Laghumānasa : See also *Mānasa*.

[*Laghuhora* or *Laghujātaka* (astrol.), by Varāhamihira]

Do.—C, *Laghuhorāvivaraṇa*, free rendering in Mal. verse, by a pupil of Rāma, 500 gr., A.D. 1640. Mss. 719-A, P. 4320-A.

Lāñchanaśāstra I (pra.), Anon.

Beg. saccidānandarūpāṇām gurūṇām karuṇāvatām /
kaṭākṣapālyah kurvantu satatam mama maṅgalam //
ataḥparam mṛter lakṣma vakṣye tallāñchanais saha /

Ms. T. 7.

Lāñchanaśāstra II (pra.), by Śaṅkara : See *Sāmudrikasāra*.

Lāṭavaidhṛtagaṇitam (?) I (kar.), Mal. verse, Anon.

Beg. veṇṭunnerattinarkkendurābhūṇām sphuṭam ānayet /

Ms. L. 1328-D (inc., 100 gr.).

Lāṭavaidhṛtagaṇitam (?) II (kar.), Mal. prose, Anon.

Beg. lāṭavaidhṛtāñṇale gaṇikkum prakāratte collunnū—yātoru
māsañṇaḷile ...

Ms. L. 1221-D (80 gr.).

Bibl. Astro. 11

Laṭavaidhṛtadigaṇita (?) I (kar.), Mal. prose, Anon.

Beg. lāṭavaidhṛtam eṇṇunna prakāram atha collinen /

Ms. 12687-F (130 gr.).

Laṭavaidhṛtadigaṇita (?) II (kar.), Mal., Anon.

Mss. 13294-A (180 gr.), C. 563-E (50 gr.), L. 638-B (550 gr.).

[*Līlāvātī* (arith.), by Bhāskara II]

Do.—C I, by Parameśvara of Vaṭaśreṇi. Mss. 5783, 10614-B, C. 295, P. 953; Ad.; Mad. R. 5160.

Do.—C II, *Karmadīpaka*, *Karmapradīpika* or *Kriyākramakārī*, by Nārāyaṇa : I. Shorter version, 2000 gr. Mss. 6169, 8978, 12806-A, C. 169, C. 306, C. 628-A, TM. 266; Ad.; Mad. D. 13484, Mad. R. 3497. (The reading, “etan Mādhavākhyena racitam Karmadīpakam”, found in Mad. R. 3497, is an obvious interpolation, violating even the metre, in place of the normal reading “etan Nārāyaṇākhyena”.)

Do.—C III, *Karmadīpaka*, *Karmapradīpika* or *Kriyākramakārī*, by Nārāyaṇa : II. Longer version, 6750 gr. Ms. 12814, T. 200, Mad. D. 2754(a); Ms. with K.V. Sarma. Ref. Ul. Sup. I. 227-28.

Do.—C IV (Mal.), Anon., 2100 gr.

Beg. yogāśrayam pāpaviyogahetukam
guṇālayam hāram aśeṣaduṣkṛtām /
kṛtiśvaram vedagīrām param padam
ghanatviṣam gopakumāram āśraye //
ivite dravyattinte oro saṁjñakale collunnū.

Mss. 1286-B, 5786, 2813, C. 7-A, C. 2334, L. 878-B, L. 1328, T. 15.

Do.—C V (Mal.), Anon.

Beg. abhipretārthasiddhyartham pūjito yas surair aṇi /
sarvavighnacchide tasmai gaṇādhipataye namaḥ //
aham tam mātāṅgānanam natvā ...

Mss. 3636, L. 839.

Do.—C VI (Mal.), Anon.

Beg. ācāryan iṣṭadevataye namaskariccu *Līlāvatiye* camaykkun-
nuṇṭennu collunnū.

Mss. 14219-C (fr., 50 gr.), C. 1992-A (inc., 2000 gr.), L. 578-B.

BIBLIOGRAPHY OF AUTHORS AND WORKS

83

Līlavatī (contd.)

Do.—C VII (Mal.), Anon.

Beg. varāṭaṅṅal 20 kūṭiyatu oru kāṅṅi.

Ms. T 850 (inc., 1500 gr.). Ref. Ul. III. 242-43.

Do.—C VIII (Mal.), Anon.

End : āvarkku ellāyppozhum sukham sampattu vārdhikkunū,
Līlavatīyile aṅkaparimāṇavyavahāram kazhiṅṅū. *Līla-*
vatiyum kazhiṅṅū.

Ms. 10648 (inc., 200 gr.).

Do.—C IX (Mal.), Anon.

Beg. na guṇo na haro na hṛtir na ghaṇaḥ pṛthulas tathā /

Ms. 12559 (inc., 1200 gr.).

Do.—C X, *Bhāskarīyagaṇitavyākhyā*, by Goda Varmā, Vidvān Iḷaya
 Tampurān of Koṭuṅṅallūr. Men. Ul. IV. 31-32; Va. IV. 318;
 RNP IV. 400.

Do.—XI, by Dāmodaran Nampūtiri of Maṅgalaśśeri family.

Men. Va. III. 379.

Līlavatī II (arith.), Mal. verse, Anon.

Mss. 3637-C, 14219-C.

Vakramaudhyādigāṇitam (kar.), Mal. prose and verse, Anon.

Epoch : Kali day 17,01,448 (A D. 1557).

Beg. ahargaṇatte vacciṭṭu 'devavākyajñasūrya'ne /
 kaḷaṅṅa śeṣam saṁskruddhair hariccāl śeṣamuḷḷatil //

Ms. PM. 4368-H (80 gr.).

Vastrādīphalanirṇaya (?) (astrol), Skt.-Mal., Anon.

Ms. T. 120 (250 gr.).

Vararuci I (4th cent. ?), legendary promulgator of the *Kaṭapayādi*
 notation.

—*Gīrṇaḥ śreyādi-Candravākyaṇi*.

Ref. *Ker. Astron.*, p. 43. § 3; *Raja*, 120-22, Ul. I. 77-81, 195; *Va.*
 I. 90-95.

Vararuci II, (Ker. ?), Apocryphal au (?)

—*Keraladvādaśabhāvavākya*m

—*Vararucikerala, Jātakarahasya* or *Keralanirṇaya*

—*Vārarucika*

—Certain other doubtful or apocryphal works.

Ref. *Ker. Astron.*, p. 43, § 4.

Vararucikerala, Jātakarahasya or *Keralanirṇaya* (astrol.). (Ker. ?)

Ref. Ul. I. 164, 165.

*Vararucivākya*m : See *Girnaḥ śreyādi-Candravākyaṇi*.

Varṣalakṣaṇa (nat. astrol.), Skt.-Mal., Anon. Ms. 6914-A.

Vahni, (19th cent.), Teacher of Puruṣottama, au. of *Praśnāyana*.

[*Vākya karaṇa* I (kar.), ascribed to Vararuci III]

—C (Mal.), Anon. Ms. L. 893-C.

Vākya karaṇa II (astron. methodology) by Parameśvara of Vaṭaśreṇi, 75 gr.

Beg. pūjyapādasya Rudrasya śiṣyo 'yam Parameśvaraḥ |
karoti Vākya karaṇam vākya vāyavasiddhaye //

Ms. C. 133-A.

Vākya dīpikā (astron.), by Parameśvara of Vaṭaśreṇi. Men. by him at the close of his C on the *Mahābhāskariya*.

Vākya dhruvasaṁsākārādi (?) (kar.), Anon.

Beg. āniya tuṅgamadhyendū vākya ārambhadinodaye |
deśāntarākhyasaṁskāram api kṛtvā tayor dvayoh //

Ms. PM. 4147-E.

Vākya dhruvādigaṇitam (?) (kar.), Anon.

Beg. Candradhīlagnasaṁyuktam kollasaṅkhyāyutam kramāt |
Ms. PM. 4147-C.

Do.—C (Mal.), Anon.

Beg. 'candradhīlagna' ernu vaccu atil kollasaṅkhyā kṛttā.....

Ms. PM. 4147-C.

Vakyaśeṣam (kar.), Mal., mnemonic tables, Anon.

Mss. See *Ker. Mal.*, pp. 130-31.

Vākyaḷaṅkāra (kar.), Anon., 'by a Brāhman', in 6 chs., 125 gr.

End : *Vākyaḷaṅkāra-nāṁāyam grantho viracito laghu :*

kenacid dvijavaryeṇa samāpto 'bhūd atisphuṭaḥ //

Ms. C. 2179-B.

Vārurucika (astrol.), by Vararuci, in 12 chs., 875 gr. Mss. P. 960,
P. 961, T. 506.

Vāradiphala (astrol.), Skt.-Mal., Anon. Mss. 13194-A, L. 385-C.

Vāradiphalanirṇaya (astrol.), Anon.

Beg. ātmajñāni sadāśūraḥ paittikaḥ priyavallabhaḥ /
caturaśratanuḥ śrīmān ravivāre prasūyate //

Mss. CM. 2197-B (cata. as *Vārāphalam* or *Pañcāṅgaphalam*),
T. 245.

Do.—C (Mal.), Anon.

Beg. *Vāradiphalanirṇayaḥ. nāyaṛāzhcaphalam āvatu—ātmajñāni...*

Ms. T. 245.

Vārādyadhipatinirṇaya (astrol.), Mal. prose, Anon. Ms. 6007-I.

Valmīkipraśna (pra.), Mal. prose, Anon. Mss. C. 2289, T. 1000.

Valmīkiśāstra (pra.), Mal., Anon.

Beg. ini nirūpicca kāryam śubhamo aśubhamo ennu colluka.

Ms. CM. 2293. Rem. For similar works see *Dṛṣṭāntamālā* I, II.

Vasiṣṭhapraśna (pra.), Mal., prose, Anon. Ms. 5974.

Vāsuṇṇi Mūssatu of Veḷḷānaśśeri, (1885-1914)

—C on *Pañcabodha*.

Ref. *Ker. Astron.*, p. 81, § 81; Ul. IV. 698-703; Ul. Sup. II. 373-76.

Vāsudeva I : Vāsudevasvāmī.

—*Kaladīpa*.

Ref. *Ker. Astron.*, p. 69, § 50; Va. III. 392-94.

Vāsudeva II, of Vaḷḷimāna in Kaṇṇaṅgalam.

—C (Mal.), on *Muhūrtapadavī* V, in two versions.

Ref. *Ker. Astron.*, p. 72, § 58.

Vāsudeva III, teacher of the anon. au. of *Santānadīpikā*.

Vidyāmādhava, son of Nārāyaṇa, of Nilamana, near Gokarna.

—*Muhūrtadarśana* or *Vidyāmādhavīya*

Ref. *Ker. Astron.*, pp. 48, § 15 ; Ul. II. 95 ; Va. I. 441-44.

Vidyāmādhavīya : See *Muhūrtadarśana*.

Vidvān Ilaya Tampurān of Koṭuṇṇallūr, (1800-51)

—C *Bhāskariya-gaṇita-vyākhyā* on *Lilāvati* of Bhāskara II

—C on *Golādhyāya* of Bhāskara II

Ref. *Ker. Astron.* p. 78, § 75 ; Ul. IV. 31 ff. ; Va. IV. 318 ; RNP IV. 400.

Vilīptādivākyaṇi : see *Śilam rāṇṇah śriyetyādī°*

Vivāhapporuttam (astrol.), Mal prose, Anon. Ms. 1416-C.

Do.—See also *Daśapporuttam*, *Poruttam*, *Vivāhānukūlyam*, *Velīpraśna*.

Vivāhānukūlyam (astrol.), by Parameśvara of Vāṭaśreṇi. Mss. C. 584-A, T. 268-B.

Do.—C I, (Mal.), Anon.

Beg. rāśi-rāśipavaśyau ... (text). rāśivaśyavum rāśyadhipa-vaśyavum bandhuśatrutvavum ...

Ms. C. 584-A.

Do.—C II (Mal.), Anon.

Beg. anantaram vivāhattinu poruttatte paṭayunnu—rāśi-rāśipa-vaśyau ... (text). rāśipporuttavum rāśyadhipapporuttavum ennu tuṭaṇṇi eṭṭu poruttaṇṇal pradhānamāyiṭṭu collap-peṭunnu.

Ms. T. 268-B.

Viśvārthadīpinī : Name of C (IX) by Parameśvara on *Horā*.

Viśamākṣaravivṛti : Name of C (IV) by Nityaprakāśa Yati on *Horā*.

Viṣunirṇayādīphala (astrol.), Skt.-Mal., Anon., 300 gr. Ms. L. 1229-E.

Viṣuphalādivicāra (astrol.), Mal. Anon., Ms. 13494-P.

Viṣusantramaphala (astrol.), Mal. verse, Anon., 150 gr. Ms. 6478-C.

Viṣṇu I

—C, *Caturasundarī*, on *Cintājñāna* of *Kṛṣṇīya* or *Kṛṣṇa*.

Viṣṇu II. son of *Vidyāmādhava*, of *Nilamana*, near *Gokaṛṇa*.

—C, *Dīpikā*, on the *Muhūrtadarśana* of *Vidyāmādhava*.

Ref. *Ker. Astron.*, pp. 49-50, § 16.

Veṇāḍ-dvija, personal name not known; a native of *Veṇāḍ* (S. Travancore).

—*Jātakodaya* or *Uḍu-jātakodaya*

Veṇvāroha : See also *Candrasphuṭāpti*, *Dṛg-veṇvāroha*kriyā.

Veṇvāroha (kar.), by *Mādhava* of *Saṅgamagrāma*, for the accurate computation of the moon, in 74 verses. c. 1400.

Mss. 10929-C; Skt. Col., *Trippunithura*; *Elamprakkoṭṭu Mana*, *Eravoor* (Cochin), all with C of *Acyuta*.

Edn. K.V. Sarma, with elaborate Intro., Skt. College, *Trippunithura*, 1956. Ref. *Ul. II.* 99-100 (where the work is wrongly described to contain only 59 verses); *Va. III.* 383-90.

Do.—C (Mal.), by *Acyuta Piṣaraṭi*. Mss. With the text mss. above.

Edn. K. V. Sarma, with text above. Ref. *Ul. II.* 99-100, 651-52.

*Veṇvāroha*kriyā (kar.), Anon. Mss. 5867, (ff. 163-65). Edn.

K.V. Sarma, as App. II to his edn. of *Veṇvāroha*, above.

*Veṇvāroha*ṣṭaka (kar.), by *Putumana Somayāji*. Ms. 404 (last folios).

Velipraśna (pra.), Mal. prose, Anon. Ms. C. 565-G.

Vaidyanātha-Śiṣya a native of *Bhūtanāthapura*.

—*Praśnasāra* III.

Vaidhṛta : See also *Lāṭavaidhṛta*, *Vyāṭiṣṭavaidhṛta*.

Vaidhṛta (?) (kar.), Mal., Anon., 80 gr. Epoch : Kali day 17,85,699
(AD. 1788).

Beg. *vaidhṛtakali 'dhūlikṣami hi sevyah'.*

Ms. 14219-B.

Vaidhṛtagaṇita (kar.), Mal., Anon.

Beg. *vaidhṛtam aṛiyum prakāram—oru graham meṣādiyāyi ...*

Ms. 51C9-A (inc., 85 gr.).

Vaidhṛtadyanayanam (?) (kar.), Mal., Anon.

Beg. *atātu māsam patinañcām tīyati udayattinte ādityasphuṭam,
vaccu raṇṭu tavaṇa ayanam kūṭṭi ...*

Ms. 13494-I (180 gr.)

Vyatīpātagaṇitam (kar.), Anon.

Beg. *vyatīpātarkṣam abhūhya sāyanāhi-ravi nayet /
rāhos tu kṣepacalanam parakrāntim vidhor api //*

Ms. CM. 595-F.

Vyatīpātavaidhṛta (kar.), Anon.

Beg. *vyatīpātendusiddhyartham upāyo 'tha pradarśyate /*

Mss. C. 595-E, C. 2085-E, L. 1167-A.

Do.—C (Mal.), *Paṭugaṇippān-Bhaṣa*.

Beg. *pātum piṭappum eṇṇēṭil collunnuṇṭu curukki nān /
iṣṭagrahayor arkan eṇṇāṇṭi udayattinu //
arkanil graham eṇṇāṇṭi eṇṇukastamayattinu /
mīnattil oruvan niḷppu maṭṭevan meṣarāṣiyil //*

Mss. C. 595-F, C. 2085-E, L. 1167-A, PM. 4078-D, PM. 4158-D.

Vyatīpātadigaṇita I (kar.), Anon. Ms. 1015-A (200 gr.)

Vyatīpātadigaṇita II (kar.), Mal., Anon. Ms. 13057-A (inc.,
84 gr.)

Vyatīpātadigaṇita III (kar.), Mal., Anon. Ms. 13389-A (inc.,
115 gr.)

Vyatīpātāṣṭaka I (kar.), Anon. Beg. *candra ...* Mss. of the work are
not known but that of its C is known.

Do.—*Vṛtti*, in verse, by Parameśvara of Vaṭaśreṇi. Ms. 788-D.

Vyatīpātāṣṭaka II (kar.), Anon.

Ref.^o Two verses beg. with *samskr̥tyāyanayor bahvoḥ* and *visarpas śaśibāhor yat*, quoted by Nārāyaṇa in his C (I) on *Pañcabodha* IV, verse I. 2. It is not known whether *Vyatīpātāṣṭakas* I and II are the same.

Vyāghrapāda, apocryphal author.

—*Āṅkaṇaśāstra*, *Grahasamaya* or *Navagrahasamaya*

Ref. *Ker. Astron.*, p. 47, § 11.

Śakābdasamskāra *kriyā* (astron.), Mal., an exposition of *Karaṇapaddhati*, I. 12, 13 depicting the *Śakābdasamskāra* of *Grahacāranibandhana*. Anon., 100 gr. Ms. 5820-C. Edn. App., (pp. 307-11), to the edn. of *Karaṇapaddhati*, Madras, 1956.

Śakunamuṣṭi : See *Dṛṣṭāntamālā*.

Śaṅkara I (c. 1475-1575), younger brother of Nīlakaṇṭha Somayāji of the Garga gotra, hailing from the Keḷallūr family. Ref. *Ker. Astron.*, p. 57, § 27.

Śaṅkara II : Śaṅkara Vāriyar (c. 1500-60) of Tṛkkuṭaveli family, follower of Nīlakaṇṭha Somayāji.

—*Karaṇasāra*

· C on Do.

—C *Kriyākālāpa* on the *Tantrasaṅgraha* of Nīlakaṇṭha Somayāji

—C *Laghuvivṛti* on the *Tantrasaṅgraha*

—Anon. work on astron., quoted by himself in his *Laghuvivṛti*, on *Tantrasaṅgraha*, II. 15, 16.

Ref. *Ker. Astron.*, pp. 58-59, § 31 ; Raja, 155 ; Ul. II. 120-21.

Śaṅkara III : Śaṅkaran Nāmpūtiri, (1494-1570), of the Maḥiṣamaṅgalam (Mal. Mazhamaṅgalam) family, near Trichur, pupil of Parameśvara of Vāzhamāveli.

—*Ayanacalanādigaṇitam* (Mal.)

—*Kāladīpaka* I (shorter version) (Mal.)

—*Kāladīpaka* II (longer version) (Mal.)

—*Gaṇitasāra* (II) (Mal.)

Bibl. Astr. 12

Śaṅkara III (contd.)

- Candrogaṇitakrama* (Mal.)
- Jatakakrama* (Mal.)
- Jatakasāra* I (Skt.)
- Jatakasāra* II (Mal.)
- Pañcāṅga* (muhūrta) for 1000 years.
- Praśnamāla* (Skt.)
- Raśimānādigāṇita* (Mal.)
- C (Mal.) *Balaśaṅkaram* on *Kāladīpaka* II
- C (III) (Mal.) Do. on *Pañcabodha* IV
- C (IV) (Mal.) Do. on *Muhūrtapadavi* II
- C (VI) (Mal.) Do. on *Laghuhāskariya*
- C (Mal.) *Pañcabodhakriyākrama* on *Pañcabodha* II
- C (II) (Mal.) *Pañcabodhārthadarpaṇa* on *Pañcabodha* IV
- C (Mal.) on his own *Praśnamāla* (?)

Ref. *Ker. Astron.*, pp. 62-64, § 37 ; Raja, 155-56 ; Ul. II. 269-72 ; 469-75 ; Va. II. 613-22.

Śaṅkara IV of Muktiśthala (Mal. Mūkkōla), pupil of Nārāyaṇa and Dāmodara, and protégé of the Zamorin of Kozhikode.

- Āyuhpraśna*
- Sāṃudrikasāra*, *Ārūḍhapraśna* or *Lāñchanaśāstra*

Ref. *Ker. Astron.*, p. 75, § 66 ; Ul. III. 86-87 ; Va. II. 718-23.

Śaṅkara V

- Jātakasāra* III (Mal.)
- Praśnasāra* I (Mal.)
- Praśnānuṣṭhānapaddhati* I (?)
- Praśnānuṣṭhānapaddhati* II

Ref. *Ker. Astron.*, p. 75, § 67.

Śaṅkara VI, Teacher of the anon. au. of *Ācāradarśana*.

Śaṅkara VII, (19th cent.), Teacher of Puruṣottama (au. of *Praśnāyana*).

Śaṅkara VIII, Teacher of Parameśvara, (au. of C IX, *Viśvārthadīpinī* or *Jātakacandrikā*, on *Hora*).

Śaṅkara IX: Śaṅkarakavi.

- C on *Muhūrtapādavi* III

Śaṅkaranārāyaṇa, (c. 825-900), court astronomer of King Ravi Varmā of Mañodayapuram.

—C *Vivaraṇa* on the *Laghubhāskariya* of Bhāskara I

Ref. *Ker. Astron.*, p. 45, § 7 ; Raja, 128-29 ; Ul. I. 165-67 ; Va. IV. 221-23.

Śaṅkara-Varmā or Appu Tampurān, (1800-38), a prince of the royal-house of Rāṣṭtanād in N. Malabar.

—*Sadratnāmala*

—C (Mal.) on Do.

Ref. *Ker. Astron.*, p. 78, § 76 ; Raja, 165-66 ; Sen, p. 191 ; Ul. III. 499-501 ; Ul. Sup. I. 635-37 ; Va. IV. 384-93.

Śilam rājñah śriye'tyādi viliptadi-Candravākyaṇi (kar.) by Mādhava of Saṅgamagrāma. Mss. C. 2297-C, MC. 595-A, P. 4116-B ; Eḷamprakkoṭṭu Mana, Eravoor (Cochin). Edn. K. V. Sarma, with Notes, as App. I to his edn. of *Veṅvāroha*, Skt. College, Trippunithura, 1956.

Śukrakerala, *Bhṛṅgukerala* or *Keralarahasya* (Ker. ?). Ref. Ul. I. 164, 165.

Śuddhacandrādigaṇita (?) (kar.), Mal., Anon.

Beg. candrane sūkṣmamāyīṭṭu gaṇippān kriya collinen /

Mss. 5812-B, 12686-C.

Śuddhacandrārkaṇita or **Sūkṣmacandrārkaṇita** (?) (kar.), Mal., Anon.

Beg. śuddhamāyi gaṇikkenṭṭu candrārkanmāreyēṅkilu /

Mss. 10856-E, 13225, 13294-L, 13298, L. 336-G, L. 1167.

Śubhāśubhanimittāni (nat. astrol.), Skt.-Mal., Anon.

Beg. guḷiko viṣṭi gaṇḍāntam viṣoṣṇaikārgaḷā amī /

varjyāḥ sarpaśiro lāṭo vaidhṛtaś ca sukarmasu //

Ms. C. 49-C (200 gr.)

Śyāmalavāraṇarāja, a prince.

—C on the *Kaladīpa* of Vasudevasvāmī

Ref. See above, pp. 69-70, § 51 ; Va. III. 392-93.

Śrāddhacandrāḍiganana-kriyāsaṅgraha : See *Kriyāsaṅgraha*.

Śrāddhacandrāḍiganita I (kar.). Anon., misc. calculations, 1400 gr.
Ms. 5812.

Śrāddhacandrāḍiganita II (kar.), Mal. prose, Anon. Mss. See
Ker. Mal., p. 148.

Śrikanṭha of Veḷḷārakkāḍ in Cochin.

—C (Mal.), on the *Jātakapaddhati* of Pṛameśvara (?)

Śrikumāra, son of Nīlakaṇṭha and pupil of Nārāyaṇa, of the village of
Dvipakānana (? Mal. Anakkāḍ).

—*Praśnāmṛta*

Ref. *Ker. Astron.*, p. 76, § 70.

Śrīpatipaddhati : See *Jātakakarmapaddhati*.

Śrīvallabha, Teacher of the anon. au. of *Ācāradaśana*.

Ślokapañcāśikā (muh.), Anon. (Ker.?)

Beg. gurum bhaktyā namaḥkṛtya tatprasādād yatāmahe /
vivāhādipratīṣṭhāntakarmaṇām kālavittaye //

Ms. P. 965.

Ṣaḍvargaphalam (astrol.), by Pṛameśvara of Vaṭaśreṇi. Mss. C.
133-B, T. 116-B.

San̄kramadhruvāṇayana (kar.), Mal. prose, Anon., 40 gr. Ms.
13225-C.

San̄kramadhruvāṇayanadi (?) (kar.), Anon. Epoch, Kali year
4597 (A.D. 1495).

Beg. 'sindhuśobho' nitābdaghne śāstrārthe jayanāḍikāḥ /

Ms. L. 1328-E.

San̄krantidhruvāṇayana (kar.), Mal. prose, Anon., 15 gr. Ms.
13294-F.

San̄krantivākya I (kar.), Anon., 10 gr.

Beg. āgāmi mitram vibudhākṛtīnām /
nanarta śaurir vanabhūratajñāḥ //

Ms. CM. 595-G.

San̥krāntivākya II (kar.), Mal. prose, Anon. Ms. 12686-B.

San̥krāntisphuṭadigaṇita (?) (kar.), Mal. prose-verse, Anon. Epoch, Kali day 17,21,462 (A.D. 1613).

Beg. 'prītāsṽdyarāsāyano'nadivasān modāḍhyaputram tyajet.

Mss. 1005-C (inc., 130 gr.), L. 1175-C.

San̥krāntyaḍigaṇita (?) (kar.), Mal., Anon.

Beg. śṛṅgāṇi meror divi dhūpitāni
cakre ca śakro nava viśrutāni /
praṇauti rudram bhayavaṁśabhinnaṁ
varam hi bhakto havi divyayānaṁ //

Ms. L. 1173 (160 gr.).

San̥grahasāadhanakriyā (kar.), by Āzhvāñceri Tamprākkaḷ, 150 gr., on computation-procedures implied in his *Jyotiśśāstrasāṅgraha*,

Beg. *San̥grahē paṭhyamānānām sāadhanānam kriyocyate* /

Mss. C. 2431-C, L. 1355-A, TM. 233-D.

Do.—C (Mal.), by the {author himself. Mss. L. 1177, L. 1218, T. 233-C.

San̥grāmaṇijayodaya (nat. astrol.), Anon., (Ker. ?). Q by Rudra II (16th cent.) in his C on the *Horā*. Mss. Ker., Mad. Edn. TSS 123. Ref. Ul. II. 111-12; Ul. Sup. I. 215.

Sadratnamālā (kar.), by Śaṅkara Varmā, A.D. 1823, 6 chs., 300 gr.

Mss. 8322-B, C. 2136; Ad.; Mad. Edn. Serially in *Kavano-dayam*, (Mal. Jl., Kozhikode), vol. 16 (1898). Ref. Raja, 165-66; Sen, p. 191; Ul. III, 499-501; Va. IV. 384-93.

Do.—C (Mal.), by the author himself. Mss. 8322-B, T. 1175. Edn: up to VI. 32, with the text above. Ref. Ul. III. 501; Ul. Sup. I. 636-37; Va. IV. 389-93.

Santanadīpikā (astrol.), Anon., by a pupil of Vāsudeva, 100 gr.

Beg. gurunātham namaskṛtya gaganātham praṇamya ca /
Vāsudevam gurum dhyātvā vakṣye *Santanadīpikā* //

Mss. 610-A, 1416, 12810-B, C. 134-C, P. 968, PM. 4077-D, T. 286-A; Ad.; Mad. Edn. G. Kocchusankaran Vaidyan, S. T. Reddiar and Sons, Quilon, 2nd edn., M.E. 1105. Ref. Ul. III. 90; Ul. Sup. I. 464-65; Va. II. 501.

Santanāḍipraśnavicāra (pra.), Skt.-Mal., Anon. Ms. 13494-B.

Samudravākya : See *Kuīādipañcagraha-mahāvākya*.

Sampradāyapradīpikā : Name of C by Govindasvāmīn on *Parāśarahrā*.

[*Sāmudrikalakṣaṇa* I (physiognomy), Anon.]

Do.—C I (Mal.), Anon.

Beg. mupil āyussulakṣaṇam arika. āyussilleñkil mattuḷḷa
lakṣaṇam nokkenṭa.

Ms. P. 970-A.

Do.—C II (Mal.), Anon.

Beg. mupil āyussine parikṣikkaṇam. pinne lakṣaṇatte collaṇam.

Ms. P. 971-B.

Do.—C III (Mal.), Anon. Mss. 13204-A, C. 2079-B, L. 101 B,
L. 216-B.

Do.—C IV (Mal.), unidentified ; possibly, one of the above.

Ref. Va. III. 642-45.

Sāmudrikalakṣaṇa II (physiognomy), Skt.-Mal, Anon. Mss.
12721-C, 13389-B, 14311-B.

Sāmudrikalakṣaṇa III (physiognomy), Mal. prose, Anon. Mss.
L. 206-B, T. 126-A-2.

Sāmudrikaśāstra (physiognomy), (Mal.), by Rāma Vāriyar of
Kaikkulangara. Ref. *Ker. Astron.*, p. 80, § 81.

Sāmudrikasāra, *Āruḍhapraśna* or *Lāñchanaśāstra*, (omenology-pra.),
by Śaṅkara of Muktiṣṭhala. Mss. L. 101-A, C. 137-B (cata.
Āruḍhapraśna) ; Ad. Ref. Ul. III. 86-87 ; Va. II. 723
(*Āruḍhapraśna*).

Do.—C I (Mal.), Anon., 150 gr.

Beg. gaṇeśam ṣaṇmukham rudram umādevim sarasvatīm /
samvandya bhāṣayā vacmi *Lāñchanam* tu yathāśrutam /
āyupraśne jivatām iti. tatrātha jivata iti. vṛddha-
daiśanatinnu paññikkūṭṭam.

Ms. C. 137-C.

Samudrikasāra (contd.)

Do.—C II (Mal.), Anon.

Beg. aviṭe naṭe kaittalattilulla sthānāñṇaḷeyum aviṭeyuḷḷa rohiṇi
tuṭaṇṇiyuḷḷa rekhakaḷeyum ...

Ms. L. 101-A.

Sārasaṅgraha : See also *Praśnasārasaṅgraha*.*Sarasaṅgraha* (astrol.), Anon., in 9 chs.

Beg. chāyā-jalayantrādyair avagamyā dyugolanāḍikāḥ praśne /
sāvayavās tābhīr ayam prāglagnaividhir nigadyate spaṣṭam //

Ms. C. 134-B.

[*Saropadeśa* (astrol.), Anon.]

Do.—C (Mal.)

Beg. (of text) : Meṣādirāśiphalam—
piṅgākṣaḥ paittikaḥ krodhī sabbāmānyaḥ suvikramaḥ /
lubdhaḥ kṛti ca capalo meṣarāśyām tu jāyate //

Ms. Mad D: 13914.

Siddhāntadarpaṇa (siddhānta), by Nīlakaṇṭha Somayāji, in 32 verses.

Mss. See Intro. to edn. Ed. and Tr. by K. V. Sarma, Adyar
Library, Madras, 1955. Ref. Va. IV. 225.

Do.—C by the author himself. Ms. P. 975.

Siddhāntadarpaṇa-siddha-paryayādayaḥ (astron.), Anon., 17 verses.

Ms. 5867 (ff. 169-72). Ed. and Tr. by K. V. Sarma, with the
edn. of *Siddhāntarpaṇa* above.

Siddhāntadarpaṇastha-paryaya-bhūdināni (astron.), Anon., 3 verses.

Mss. C. 2740 (fol. 98 b), C. 2314 (fol. 74). Ed. and Tr. by
K. V. Sarma, in the edn. of *Siddhāntadarpaṇa*, above.

Sundararajapraśnottara (astron.), by Nīlakaṇṭha Somayāji.

Mss. Yet to be identified, but the work is mentioned by both
Nīlakaṇṭha in his *Āryabhaṭṭiya-bhaṣya* (TSS 185, p. 149)

Sundararājaprasnottara (contd-)

and Sundararāja in his C on the *Vākyakaraṇa* (Edn. T.S.K. Sastri and K.V. Sarma, K.S.R. Inst. Madras-4, 1962, p. 119).

Sundarī : Name of C by Udayadivākara on the *Laghubhāskariya* of Bhāskara I.

Subodharthinī : Name of anon. C on *Horā*.

Subrahmaṇya I, a Nampūtiri of the Māttūr family, c. 1475-1535.

— *Muhurtapadavi* III (A.D. 1531).

Subrahmaṇya II, (1835-1903), a Tirumunpu of the Kunnattu family in Payyannoor, in N. Malabar.

— C *Bhāvaprakāśa* on the *Muhurtadarśana* of Viḍyāmādhava.

Ref. *Ker. Astron.*, p. 79, § 78 ; Ul. Sup. I. 540 ; V. I. 444.

Subrahmaṇya III (? alias Parameśvara, pupil of Śaṅkara)

— C (IX), *Jātakacandrikā* or *Viśvārthadīpinī* on *Horā* (acc. to Ms. 5581).

Subrahmaṇya Śāstri, (1828-88), of the Nalleppaḷḷi village in Cochin.

— *Aganitam* (kar.)

Ref. *Ker. Astron.*, pp. 78-79, § 77 ; Ul. IV. 292 ; Ul. Sup. II. 122-23 ; Va IV. 607 ; RNP IV. 481-82.

Sukṣmacandrārkaṇita : See *Suddhocandrārkaṇita*

Sukṣmacandrasphuṭādigaṇita (kar.), Mal. prose, Anon.

Ms. 12686-C.

Sūryagrahaṇagaṇitam (ecl.), Mal. verse, Anon. 50 gr.

Ms. L. 765-D.

Sūyacandrachayaṇitam Bhāṣā (?), (kar.), Anon., Mal. verse.

Beg. pāṭum piṇappum eṇṇēṇṭum prakāram iha collinen /
iṣṭagrahayor arṇan eṇṇnāl udayattinu //
ādityād graham eṇṇum nāl eṇṇukāstamanattinu /
ādityane sphuṭikkenam appol veṇṇṭum grabattinu //

Mss. PM. 4027, 4158-E.

Sūryacchāyadigaṇita I (?) (kar.), Mal., Anon.

Beg. sūryacchāya gaṇikkunna prakāram atha collinen /
talkālasāyanārkkannu caram meṣādi uttaram //

Mss. 5109-D (cata. *Sūryacchāyāgaṇita*, 70 gr.), L. 251-C (cata. *Candracchāyāgaṇita*, 320 gr.), 5042-D, 10647-E, 13493-E, all differing slightly from one another.

Sūryacchāyadigaṇita II (kar.), Mal. verse, Anon. Mss. 5042-D, 5109-D, 13493-E.

Sūryadeva Yajvan, (1191-c. 1250), of Nidhruvagotra

—C *Prakaśa* or *Prakāśika* on *Āryabhaṭīya*

—C *Jatakalaṅkāra* on the *Jatakakarmapaddhati* of Śrīpati

—C on the *Mahābhāskariya-bhaṣya* of Govindasvāmin

—C on the *Mahāyātra* of Varāhamihira

Ref. *Ker. Astron.*, p. 48, § 14; *Raja*, 131-32; *Sen*, p. 214; *Ul. II.* 97-98; *Ul. Sup. I.* 219; *Va. I.* 390-92.

Sūryamadhyamādigaṇita (?) (kar.), Mal., Anon. Ms. 13394-I.

[*Sūryasiddhānta* (siddhānta)]

Do.—C I, *Vivaraṇa* by Parameśvara of Vaṭaśreṇi. Ms. 8358-J.

Do.—C II (Mal.), by Acyuta Piṣāraṭi (?)

Beg. gurūṇām caraṇāmbhojaparāgaparamāṇavaḥ /
manomukuram asmākam puniyur anuvāsaram //

aviṭe *Sūryasiddhāntamākunna* ... gaṇitatte camappān
tuṭaṇṇunna ācāryan ...

Mss. 3636-C, 8358-A, T. 251. Authorship. Suggested on the basis of the characteristic *maṅgala-śloka* of Acyuta Piṣāraṭi, which occurs in his *Uparāgakriyākrama-vyākhyā*, *Karaṇottam.*, *Jatakābharaṇa* and *Veṇvāroha-vyākhyā*, and also on the similarity of the beg. of the present C with the beg. of Acyuta's *Veṇvāroha-vyākhyā*.

Sūryasiddhānta-saṅgraha (siddhānta), (Ker. ?). Ms. Cranganore Palace List, 4.

Bibl. Astro. 13

Snryoparāgakriya (ecl.), Mal., Anon.

Beg. *nayi jīvas surāgiṇo narastuṅga-śarāsanah* /

Ms. 931-C (inc, 100 gr.)

[*Skāndaśārīraka* (nat. astrol.)]

Do.—C (Mal.), Anon. Ms. P. 979 (interspersed with Skt.).

Sthānaphaladi (astrol.). Mal., Anon. Ms. 8269-B.

Sphuṭanirṇaya (astron.), by Acyuta Piṣāraṭi, in 6 chs., devoted respectively, to *Saṅkhyakathana*, *Madhyamānāyana*, *Mandasphuṭānāyana*, *Bhāgolasphuṭānāyana*, *Bhūgolasphuṭānāyana* and *Bhū-prṣṭhasphuṭānāyana*.

Mss. C. 809-C, C. 964-B, C. 1945-B; Mad. R. 3799 (b); Kanippayoor Mana, Kunnamkulam; Eḷamprakkottu Mana, Eravoor; M.S. Srinivasa Sastri, Palghat.

Ref. Sen, p. 202 (where it is noticed as anon. and the subjects of its Chs. IV, V and VI given, wrongly, under the common heading *Bhūgo[la]sphuṭānāyana*); Va. IV.225. Cr. Edn. by K.V. Sarma.

Do.—C, *Vivṛti*, by the author himself. Mss. C. 697-C, C. 809-C, C. 964-B, C. 1945-B; Mad. R. 3792 (b); M.S. Srinivasa Sastri.

Ref. Sen, p. 202. Cr. Edn. by K.V. Sarma.

Sphuṭanirṇaya-nirṇīta-paryāyādayaḥ (astron.), Anon., 14 verses.

Beg. *abhivandya gurum bhaktyā kalpakālaprakīrtitāḥ* /
Sphuṭanirṇaya-nirṇīta varṇyante paryāyādayaḥ //

Ms. With K.V. Sarma. Cr. Edn. K.V. Sarma.

Sphuṭanirṇaya-bhagaṇāḥ: See *Tantrasaṅgrahāt Sphuṭanirṇaya-bhagaṇāḥ*. Cr. Edn. by K.V. Sarma.

Haridatta, (c. 650-700), promulgator, in A. D. 683, of the Parahita system of astronomy in Kerala.

—*Grahacāranibandhana*

—*Mahāmārganibandhana*

Ref. *Ker. Astron.*, pp. 7-9; 43-44, § 5; K.V. Sarma, Intro. to the edn. of *Grahacāranibandhana*, Madras, 1954; Raja, 123-26.

[*Horā* (jā), by Varāhamihira]

Do.—C I, by Kṛṣṇa. Ms. Public Library, Trivandrum, 35.

Hora (contd.)

Do.—C II, in verse, by a disciple of Kṛṣṇa.

Beg. prāyeṇa mandabuddhinām manuṣyāṇām kalau yuge /
laghuṇaiva prakāreṇa Horeyam upadiśyate //
āyur hi trividham loke pūrṇa-madhyalpanāmabhiḥ /

End. Kṛṣṇācāryasya Śiṣyeṇa Horeyam upapādita /
Kṛṣṇācāryaprasādena prasādāc ca vivasvataḥ //

Ms. IO 6381-D.

Do.—C III, *Daśādhyāyī*, by Govinda Bhaṭṭatīri of Talakkulam, 3800 gr.
Mss. 957, C. 2141-A ; Mad. D. 14064. Ed. Bombay, Sam.
1969 (A.D. 1912) ; Palghat, (1905). Ref. Raja, 132-33 ;
Ul. I. 167-79, II. 110 ; Va. I. 353-59.

Do.—C IV, *Prakāśika* or *Viśamakṣaravivṛti* by Nityaprakāśa Yati.

Mss. C. 136, C. 227, P. 997, T. 90 ; Ad.

Do.—C V, *Subodhārthini*, Anon., (Ker. ?)

Beg. ātmāyate vāsarapo 'khilānām
aṅgāyate janmavivarjitānām /
dīpāyate yo jagatām abhiṣṭam
dadhātu naḥ so 'nyatarāṇapekṣaḥ (1) ; ...
yā Horā racitā ... (2) ; athācāryeṇāsyā śāstrasyāvighna-
parisamāptiyartham ...

Mss. C. 1244 ; Ad. ; Mad.

Do.—C VI, *Vivaraṇa* or *Naukā* by Rudra, A.D. 1527, 6000 gr.

Mss. 14267-B, C. 2237 ; Ad. ; Mad. ; Tir. Edn. TSS 91,
(Trivandrum, 1926 ; 2nd edn., 1958). Ref. Ul. II. 114-17 ;
Va. I. 531-34.

Do.—C VII, *Pāṭhyam*, Anon. Ms. P. 892 (inc., 3000 gr.)

Do.—C VIII, *Parameśvarī* or *Horābhiprāyanirṇaya*, by Parameśvara,

Beg. arkendvārajñavāgiśaśukramandatamodvijāḥ /
praṇamya kriyate spaṣṭo Horābhiprāyanirṇayaḥ //
mūrtitve iti. ravir no vācam dadātu ityarthah.

Mss. C. 135-A, C. 2110, T. 79 ; Ad. Edn. TSS, Trivandrum,
1963.

Do.—C IX, *Jātakacandrikā* or *Viśvārthadīpinī*, by Parameśvara, pupil
of Śaṅkara,

Horā, C IX (contd.)

Beg. yasyaikaadeśam āsṛitya modate nikhilam jagat /
 tasmai namo 'stu bhagavate parāya paramātmane !!
 namāmi śirasā devam Śaṅkaram gurum ātmanah /
 yasya prasādenājnānam akhilam me nirākṛtam //

Horātantrābhidhārāya śāstrapoto nirūpitaḥ /
Varāhmihireṇāśya vyākhyānam kriyate mayā //

mūrtitve (text) ...

Mss. 3634, 5851, 10535, C. 1366-B, L. 52-B, T. 732. Note.
 Ms. 5851 names the au. also as 'Subrahmanya.' Ref. Va.
 III. 394.

Do.—C X, Anon., by a pupil of Pūrṇaprajña or Pūrṇaprabodha.

Beg. aviratam atitiṣṭhan maṇḍalācaṇḍabhānor-
 niravadhini jate jasyandasandipitāśaḥ / ... (1)
 nikhilajagadupāśyo nityaśo yas trisandhyam
 diśatu mama rameśo jyotiṣām eṣa bodham //

Pūrṇaprajñādikāneka-sadguṇā madgurūttamāḥ /
sādhayeyur iman santo māmakinamanoratham //

... asmin *Horāśāstre* mūrtitva ityādinā prārambha-
 samuciteṣṭadevatānamaskāślokena ...

Ms. CM. 6-C (cata. *Āruḍharāśīkathanam*).

Do.—C XI, *Bṛhajjātaka-prathamaśloka vyākhyā*, Anon.

Ms. TM. 144-C-1 (45 gr.).

Do.—C XII (Old Mal.), *Prakāśikā* by Nityaparakāśa Yati.

Beg. mūrtitve ... enpatu śāśabhṛttinuṭe mūrttitvam ākkapeṭṭu,
 apunarjanmākkalukku vartmāvāyi, yajvākkalukku kratuvu-
 māyi, jyotiṣamkalukkellām svāmiyumāv, ...

Ms. P. 995. Note. This C is diff. from this au.'s Skt. C *Prakāśikā*
 on *Horā*.

Do.—C XIII (Mal.), *Horāvyaḍkhyānam Tamizhkkuttu*, Anon.

Beg. *Horāśāstrate* camappān tuṭaṇṇunna ācāryan iṣṭadevatā-
 vandanam ceyyunnu i ślokaṁ koṇṭu.

Mss. C. 590, C. 2524, T. 133-B, F.

Hora (contd.)

Do.—C XIV (Mal.), Anon.

Beg. natvā gaṇapatim devīm vācam ācāryakovidān /
Varāhaṁhihirācāryam śrīstūryādinavagrabhān //
 gurum gurūttamam cāpi tathā sabhdayān api /
 pārampariyagatam śāstram *Horārtham* prakāṣyate //
 mūrtitve ... itin poruḷ—sa raviḥ vācam dadātu. aññane
 ellāmīriḷkunna ravi namukkāyikkonṭu vākkine taruvonāka.

Ms. T. 133-D.

Do.—C XV (Skt. and Mal.), Anon.

Beg. bhūyobhiḥ paṭubhiḥ paṭudhiyām horāphalajñaptaye
 śabdanyāyasamanviteṣu bahuśaḥ śāstreṣu dṛṣṭeṣv api /
 horātantramahārṇavapratarāṇe bhagnodyamānām aham
 svalpam vṛttavicitram arthabaulam śāstraplavam prārabhe //

Ms. PM. 4385.

Do.—C XVI (Mal.), Anon.

Beg. mūrtitveti. sa raviḥ naḥ vācam dadātu. ā ravi namukku
 vākkine taruvūtāka. śāśabhṛtaḥ mūrtitve parikalpitaḥ=
 śāśabhṛttiṇṭe mūrttitvattiṅkal parikalpitanāyirunnoruttan.
 śāśabhṛttiṇṭe=candraṇṭe. mūrttitvattiṅkal=vṛttākāramāyiri-
 kkiṇṭa dehattiṅkal. paritaḥ=cuttākāreṇa kalpitamāyiri-
 kkunna ...

Ms. PM. 4155-A.

Do.—C XVII (Mal.), *Horāvyākhyānam*, Anon.

Beg. sa raviḥ naḥ vācam dadātu. ā ravi namukku vākkine taru-
 vūtāka. sarvaprakāśanāyi jñānasvarūpanāyiripporuttan...

Col. (C. 2226-A) : its horāśāstre Bṛhajjālaka-*Viśamākṣaravivṛtau*
Prakāśikāyām Utpalāyām Drekkāṇādhyaḥ pañcaviṁśaḥ.

Mss. 6551, 12974-B, L. 521.

Do.—C XVIII (Mal.), *Horāvyākhyānam*, Anon. Ms. 872-A.

Do.—C XIX (Mal.), Anon.

Beg. ā ravi praśna-jātaka-mubūrttādikaḷil satyayāyirikkunna
 vākkinetṭarūtāka. sarvaprakāśanāyi jñānasvarūpanāyiri-
 kkiṇṭoruttan ādityan. candraṇṭe śarīramakakkalpiccirunno-
 ruttan.

Ms. P. 999, Note. Related to C XVII, above.

Horā (contd.)

Do.—C XX (Mal.), Anon.

Beg. (Ch. 21) lagnattīṅkal ninnu putrakaḷatrabhamkaḷ śubhapati-
prāptaṅṅaḷāyirikkumpoḷ ...

Ms. P. 996.

Do.—C XXI (Mal.), *Horāphalaratnāvali*, apocryphally attributed to
Kaṇṇaśśa Paṇikkar.

Beg. Kaṇṇaśśan ennuḷḷa Paṇikkaraccan
khaṇḍiccu maṭṭuḷḷa mataṅṅaḷellām /
nirṇīṭa-*Horāphalaratnasāram*
varṇiccu collunniha śiṣyanoṭāy //

iviṭe kavi uṇṭākkān bhāviccirikkunna granthatte ...

Edn. Sri Rama Vilasam Press, Quilon, M.E. 1102. Ref. Ul.
I. 350-51; Ul. Sup. I. 129.

Do.—C XXII (Mal. verse), by a pupil of Rāma. Men. in the beg. of
the au.'s *Laghuhorāvivaraṇam*; cf. :

rānaśāstraṅṅal kaṇṭiṭṭu rānāvṛttaṅṅaḷāl punaḥ /
'*Horāśāstram* camacciṭṭaṅṅāryāvṛttaṅṅaḷāl punaḥ //
Laghuhora camaykkunnen ...

Horāphalaratnāvali by Kaṇṇaśśa Paṇikkar : See *Horā*, C XXI.

Horābhiprāyanirṇaya by Paramesvara : Name of C VIII on *Horā*.

Horasāra (jā.), Anon.

Beg. pāśāṅkuśa-svarada-cūṭaphalam dadhānam ... (1) ;
jayati jagadekahetur viśvātmā ... (2) ;
nimisādivatsarāntam ... (3)

Mss. C. 226, C. 772, C. 2112-A, P. 1001; Ad.

Horasaroccaya (jā.), by Acyuta Piṣāraṭi, in 7 chs. Mss. 8327-A,
8327-B (with C). Ref. Ul. II. 324.

Do.—C (Mal.), *Horātantram Paribhāṣa*, Anon. Ms. 8327-B.

Ref. Chirakkal T. Balakrishnan Nair, 'Horātantram Paribhāṣā',
Sahitya Parishat Traimāsikam, (Mal., Ernakulam), 5 (M.E.
1112) 417-20 and Ul. II. 651, where it is attributed to
Acyuta Piṣāraṭi himself. For a refutation of this view,
see K.V. Sarma, Intro. to his edn. of *Raśigolasphuṭānīti*,
p. 7.

- X. **An Unidentified Astronomer.** About a dozen metrical tracts on different astronomical topics, couched in simple Malayalam verse, have been recorded, which, from their very similar narrative style and identical expressions, seem to be from the same pen, possibly, even sections of an extensive work which used to be studied individually and, so, are now generally found distributed in different manuscripts. Their author, however, prefers to remain anonymous. These works are as follows :

Similar expression in the initial verse

— <i>Gāṇitam-Bhāṣa</i> II (Mal.)	prakāram	atha	collinen
— <i>Pañcabodha</i> IX „	Do.	Do.	Do.
— <i>Lātavaidhṛtadigaṇita</i> „	Do.	Do.	Do.
— <i>Sūryacchāyādigaṇita</i> I „	Do.	Do.	Do.
— <i>Candragāṇita</i> „	gaṇippān	iha	Do.
— <i>Candrasphuṭādigaṇita</i> II „	Do.	Do.	Do.
— <i>Sūryacandracchāyāgaṇita</i> „	Do.	Do.	Do.
— <i>Candrasphuṭādigaṇita</i> „	Do.	kriya	Do.
— <i>Śuddhacandārkaṇita</i> „	Do.	Do.	Do.
— <i>Grahaṇagaṇita</i> X „	collunnuṇṭu	curukki	ñān
— <i>Chāyāgrahaṇagaṇita</i> II „	Do.	Do.	Do.
—C on <i>Vyatīpātavaidhṛta</i> „	Do.	Do.	Do.

A D D I T I O N S

Page 6 : Acyuta II : Acyuta Piṣāraṭi

Add : —C on *Sūryasiddhānta*

„ 21 : *Keralācārya*. See also below in Ch. VI.

„ 38 : *Citrabhānu-Śiṣya*

Add : —*Grahaṇāṣṭaka* III (?)

—*Praśnaprakāśika* I (?)

—*Praśnabhāṣa* I (?)

—C IV on *Pañcabodha* II (?)

—C V on *Muhūrtapadavī* II (?)

„ 62 : *Praśnaprakāśika* I

Add : By *Citrabhānu-śiṣya* (?). Authorship. Suggested on the basis of the characteristic *māṅgala-śloka*.

II

A BIBLIOGRAPHY OF
KERALA-BASED ASTRONOMY AND ASTROLOGY

CHAPTER II

A BIBLIOGRAPHY OF KERALA-BASED JYOTIṢA LITERATURE

There exist, in regions outside Kerala, in Sanskrit and in other Indian languages, a considerable number of astrological texts which proclaim themselves as Kerala Jyotiṣa and, as such, might, in a way, be called 'Kerala-based jyotiṣa texts'. The possible origin, nature and major trends of these texts have been discussed briefly elsewhere in my *Kerala Astronomy*, pp. 38-40. These works can be identified by one or more of such indications as : (1) the definite mention of their non-Keralite authorship ; (2) the addition of the expression 'Kerala' to their titles, apparently intended to distinguish them from other regional or all-India texts of the same or similar titles ; (3) their high popularity outside Kerala which is matched only by their being practically unheard of in Kerala, the reason for which is obviously that, in a conservative society, one would scarcely go in for a low-rate alien imitation or improvisation when the full original is with oneself. Most of these works are anonymous or ascribed to apocryphal authors. Some claim to be parts of larger works. It is but natural that, while manuscripts of these works occur in good numbers outside Kerala, indicating their popularity in trans-Kerala regions, in Kerala itself, their manuscripts are well-nigh absent. It is a moot point as to what extent these texts are indebted to Kerala Jyotiṣa in the matter of their tradition, teachings or inspiration. In some cases, it might be regular borrowal, in others restricted to their nature and contents and in still others only to the ideas. In certain cases, it is even possible that Kerala has lent nothing more than its name ! The lack of definitive authorship and the amorphous nature of contents of some of these works, naturally, make their identification difficult. This is especially so, in the case of works which appear under different titles and in varied extent, a fact which is reflected in the following *Bibliography*, as well. Certain methods to ascertain the indebtedness of individual texts to Kerala Jyotiṣa and to pursue this interesting study have been suggested in my *Kerala Astronomy* (see p. 41).

In the following pages, an attempt has been made to document information about 'Kerala-based' Jyotiṣa works, in Sanskrit, from various sources, and present the same with suitable annotations and references about the availability of manuscripts and editions thereof

but without any serious effort at the correlation of allied texts. The nature of the different texts is indicated by adding, after their titles, their subjects in abbreviation: 'kar.' for *Karaṇa*, 'jā.' for *Jataka*, 'pra.' for *Praśna*, 'muh.' *Muhūrta*, 'astrol.' for General Astrology, 'nat. astrol.' for Natural Astrology, etc. The general abbreviations employed in the *Bibliography of Kerala Jyotiṣa literature*, above, have also been made use of, as necessary.

In the case of texts whose manuscripts, as available in the different manuscripts repositories, have been noticed in the *Catalogus Catalogorum* (CC) of Aufrecht or the *New Catalogus Catalogorum* (NCC), I-VI, of the Madras University, the CC or NCC references are given. And, in the case of texts which have not been noticed in the CC or the NCC, or which exhibit some peculiarity or other, they are referred directly to the relevant Manuscripts Catalogues or other sources, using The undermentioned additional abbreviations:

- | | |
|------------------------|---|
| Lucknow, Skt. Parishad | <i>A catal. of Mss. in the Akhila Bharatiya Skt. Parishad, Lucknow</i> , compiled by Daulat Ram Juyal, Lucknow, Vos. I-II, 1963, 1969. (Ref. by vol. and pp.) |
| Mysore | <i>Cata. of Skt. Mss. in the Govt. Lib., Mysore</i> , and its Supplemental Cata., in 4 Pts., Mysore, 1922-1955 (Ref. by vol. and pp.) |
| Nepal Vir. | <i>Nepāla-Rajakiya-Viraputakālayastha-Hastalikhita-Sarasta-pustakānām Saṅkṣipta-sūcīptam</i> , Ed. Buddhi Sagara, Kathmandu, Sam. 2020. (Ref. by pp. and nos.) |
| Raj. Jaina | <i>Rājasthān kī Jaina Śāstra Bhandārom kī Granthasūcī</i> , Ed. by Kastur Chand Kasaliwal etc. Jaipur, Vols. I-IV, 1949-1962. (Ref. by vol. and pp.) |
| Raj. Jodh. | <i>A cata. of Skt. and Pkt. Mss. in the Rajasthan Or. Res. Inst. (Jodhpur Collection)</i> , ed. by Muni Jinavijayaji, Pts. I-III B, Jodhpur, 1963-68. (Ref. by vol. and pp.) |
| Varanasi | <i>A des. cata. of Skt. Mss. acquired and deposited in the Skt. Univ. Lib. (Sarasvati Bhavana), Varanasi, during the years 1791-1950</i> , vols. I-XII, Varanasi, 1953-65. (Ref. by vol. and pp.) |
| V.V.R.I. | <i>Catalogue of V. V. R. I. Manuscript Collection</i> , in two Parts, ep. by Vishva Bandhu, Hoshiarpur, 1959. (Ref. by pt. and pp.) |

BIBLIOGRAPHY OF AUTHORS AND WORKS

Akṣarakeralī or *Akṣarakevali* (pra). Mss. See NCC I (rev.), 11.

Akṣaracintāmaṇi (pra.) from *Keralamata* ascribed to Śiva. Ib., 12.

Akṣaracūḍimaṇi (pra.), related to *Keralapraśna* V attributed to Keralācārya. Ib.

Appāsūri, *alis* Nṛhari or Nṛsimha

—C. *Śāradāgama*, on *Uḍudayapradīpa*

Avajadapraśna or *Keralipraśna*, from the *Rudrayāmala*, Ib., 412.

Uḍudayapradīpa (jā.), described in some mss. as *Keraligrantha* and *Keraliracita*. Mss. NCC II. 289-90. Ascribed to Keralācārya in Ms. Ker. 1521. Edn. with Tr., Royal Victoria Press, Madras, 2nd edn., 1900. For other edns., see NCC II 289.

Do.—C I. Ancn., Ib. 290.

Do.—C II, *Uddyota* by Bhairavadatta, son of Harirāma. Ib.
Edn. Bombay, 1875; with Hindi C, Banaras, 1868.

Do.—C III, *Tattvadīpikā* by Jivanātha Jhā, son of Śambhunātha. Ib.

Do.—C IV, *Śāradāgama* by Appāsūri *alias* Nṛhari or Nṛsimha. Ib.

Do.—C V, *Snehakūpikā* by Bālakṣṇa, son of Jyotiḥsvarūpa. Ib.

Do.—C VI, by Cola. Ib.

Do.—C VII, by Paramasukha. Ib.

Do.—C VIII, by Mayūreśvaropadhyāya. Ib.

Uḍupakerala (jā.), attributed to Prajapati. Ib.

Kerala°: See also *Keralī°*, *Keralīya°*.

Kerala or *Keralī* (astrol.) Mss. NCC V. 43.

Keralagranthodāraharāṇa (astrol.), by Mūladeva, possibly a C on his *Keralapraśna*. Ib.

Keralacandrikā (jā.) Ib. (*Dvādaśabhāva*). See also *Keraladvādaśabhāva*.

Keralacintāmaṇi (astrol.) Ib.

Keralacūḍāmaṇi (pra.) See also *Keralapraśna* or *Divyacūḍāmaṇi* and *Cūḍāmaṇikerali*.

Keralajātaka (jā.) NCC V. 43. See also *Keralīyam Jatakam*.

Keralajātakananda or *Keralarahasya* : See *Keralarahasya*.

Keralajñāna or *Keralīyajñāna* (pra.) NCC V. 43. Some as *Keralapraśna*.

Keralajyotiṣa or *jyotiṣa* (astrol.) Ib.

Keralatattva (astrol.) Ib.

Keraladīpikā I (astrol.) Men. in *Keralacandrikā*, Mad. D. 14026.

Keraladīpikā II (astrol.), by Krahā...śa, son of Cannayajvan.
Ms. NCC V.43.

Keralanāḍi (astrol.) Ib.

Keraladvādaśabhāvaphala I (jā.), in verse. Ib.

Keraladvādaśabhāvaphala II (jā.), in prose. Ib.

Keralapañcapakṣi (prognostication), from *Svaravicāra*. Ib.

Keralapāśavalī (prognostication), ascribed to Garga. Ib. See also *Pāśakevalī*.

Keralapradīpa (astrol.). Ib. Possibly, *Jañānapradīpa* or *Keralabṛndāvana* of Padmanābha.

Keralapraśna(*grantha*) I (pra.) Mss. NCC V.44 ; Varanasi, IX. 304.

Keralapraśna(*grantha*) II (pra.), ascribed to Garga. Ib.

Keralapraśna III (pra.) Invokes Kūsmāṇḍi; the last verse of the work describes the work as the *Pāśakakerali* of Garga. Ib.

Keralapraśna IV (pra.), Prognostication with arecanuts. Ib.

Keralapraśna V or *Divyacūḍāmaṇi*, ascribed to Keralācārya. Related to *Akṣaracūḍāmaṇi* and *Cūḍāmaṇisāra*. Ib. Edn. in Telugu script with Telugu gloss, Vavilla Press, Madras, 1944 ; Banaras, Sam. 1731. See also *Cūḍāmaṇikerali*.

Keralapraśna VI or *Keralapraśnaprakaraṇa* or *Keralīyājñāna*, (pra.
based on letters.) Ib.

Keralapraśna VII (pra.), in 67 verses. Ib. Edn. with Hindi. Tr.,
Lakshmipur, Bombay, 1913.

Keralapraśnāgrantha (pra.), by Mūladeva. Mss. NCC V.44.

Do.—C (?) *Keralagranthodāharaṇa*, by the author himself. Ib. 42.

Keralapraśṇaḥ (pra.) Mss. Varanasi, IX. 288, 298.

Keralabayalis : Name of *Uḍudāyapradīpa* attributed to Keralācārya.

Keralabṛndāvana or *Jñānapradīpa* (astrol.), by Padmanābha.
Mss. NCC V. 44.

Keralabhāgya (astrol.) Ib.

Do.—C. Ib.

Keralabhāṣya (astrol.), Ib. On *Keralavacanāni* (?)

Keralamata (astrol.), ascribed to Śiva : See *Akṣaracintāmaṇi*.

Keralamatapraśnasāṅgraha (pra.) by Mihirabhaṭṭa. Ms. VVRI
I. 82.

Keralayātra (nat. astrol.) Ms. NCC V. 45.

Keralayogāvalī (astrol.) Ib.

Keralaratnamañjarī (astrol.) by Viśvanātha Bhaṭṭa, Ib.

Keralaratnākara (astrol.) Ib.

Keralarahasya or *Keralajātakānanda* (astrol.), by Śukrācārya. Ib.

Keralarājayogasāra (astrol.) Ib.

Keralavacanāni (astrol.) Ib.

Do.—C, *Keralabhāṣya*, by Dhunḍhirāja. Ib.

Keralasāstra I (astrol.), Ib. 47; Varanasi, IX. 314. See also
Keralīśāstra.

Keralasāstra II, Sn. *Gargasamhita* (pra.) NCC V.45.

Do.—C, *Gargamanoramā*. Ib.

Keralasāstrasūtra (astrol.) attributed in one of its mss. to a demon-
ness named Nikaṣā.

Do.—C. Ib.

Keralaslokaśūtra (astrol.) Ib.

Keralasāra (astrol.) Ms. Varanasi, IX. 286.

Keralasiddhānta (pra.), couched in the form of a dialogue between the divine couple, Pārvati and Parameśvara, Ref. Ul. Sup. I. 223.

Keralasūtra I (astrol.) Ms. NCC V.47.

Keralasūtra II (astrol.), ascribed to Marici, Ib ; Varanasi, IX. 296.

Keralasūtra III (jā.), by Śrī (?). Ms. Mad. T. 1981 (d).

Tr. in *Missing links of Hindu astrology*, No. 11, Bombay, 1963.

Keralahora (jā.). Ref. Ul. Sup. I. 229.

Do—C by Sarvartu Paṇḍita, written at the instance of Gopāla, at Vijayanagar. Ms. NCC V. 47.

Keralācārya. Despite the Kerala tradition that he was the minister of a Kerala King, it is not unlikely that he is an apocryphal or non-Kerala author. See *Ker. Astron.*, pp. 46-47.

—*Uḍudāyapradīpa*

—*Keralapraśna* V or *Divyacuḍamaṇi*

—*Mātrācuḍamaṇi*

—See also above, pp. 21-22.

Keralipraśna or *Avajadapaśna*, from the *Rudrayāmala*. NCC V. 48.

Keralī° : See also Kerala°.

Keralī I (astrol.) or *Kerala*. Ms. NCC V.43.

Keralī II (nat. astrol.) Ib. 48.

Keralī III (pra.) by Rāvaṇa. Ib.

Keralī IV (pra.), or *Pāśakeralī*, prediction based on throwing the dice, ascribed to Garga. Ib. See also *Pāśakakeralī*.

Keraligrantha (jā.), or *Uḍudāyapradīpa* or *Jātakacandrikā*, by Venkaṭeśa. Ib.

Keralīcuḍamaṇi (pra.) Ib. See also *Keralapraśna* or *Divyacuḍamaṇi*.

Keralī(ya)jātaka (jā.) Ib. See also *Keralajātaka* and *Keralīyam Jāṭakam*.

Kerali(ya)jñāna (pra.) Ib. See also *Keralajñāna*.

Kerolidaśāprakāra (jā.) Ib.

Keralipraśna (pra.) Mss. Varanasi IX. 294, 302. See also *Keralapraśna*.

Keralipraśnabhāṣā (pra.) Ms. Nepal Vir, 28.

Keralipraśna(vicāra), (pra.) Ib. ; Nepal Vir, 28.

Keralipraśnaśaṅgraha (pra.) Mss. NCC V.48.

Keralipraśnasāra (pra.) Ib.

Keraliya (jā.) Ms. Mad. T. 2233 (g) (*Jivakādhyāya*).

Keraliyajātakasaṅgraha (jā.) Ms. Mysore, I. 332.

Keraliya(jyotiṣa) (jā.) Ms. Mad. T. 1623.

Keraliyaiñāna (pra.) Mss. Tañjore, D. 11685, 24078. See also *Keralajñāna*.

Keralīyanakṣatradaśāphala (jā.) Ms. NCC V.48.

Keralīyapraśna (pra.) Mss. Ib. ; Raj. Jodhpur, III-B. 508.

Keralīyapraśnaratna (pra.), by Nandarāma Paṇḍita.

Edn. with Hindi C, Lakshmi Venkatesvara Press, Bombay : Kalyan, 1923-24.

Keralīyapraśnatratnīkara (pra.) Men. Ul. Sup. I. 228.

Keralīyabhāṣāsāra (astrol.) s. NCC V. 49.

Keralīyasūtra (jā.) Ms. Mad. 1981 (d), on *dvādaśabhāva*.

Keralīyam Jātakam (jā.) Ms. Mysore, I. 332.

See also *Keralajātaka*.

Do.—C. Ms. Mysore, I. 332.

Keralīyam jātakam (Saṅgraha) (jā.), Ms. Mysore, I. 332.

Keralīśakuna (omenology), ascribed to Vyāsa. Ms. NCC V.49.

Keralīśakunavali (omenology), by Bhañjana Miśra. Ib.

Keralīśāstra (astrol.) Ms. Nepal Vir. 28. See also *Keralāśāstra*.

Do.—C (Newari). Ms. Nepal Vir, 28.

Keralisammatakoṣṭhiprakaraṇa (astrol.) Ms. NCC V.49.

Keralisārasaṅgraha (astrol.). Ib.

Krahā ... śa, son of Canna Yajvan.

—*Keraladīpikā*

Garga

—*Keralapāśāvalī*

—*Keralapraśnagrāṇtha*

—*Keralī* or *Pāṣakeralī*, all related.

Cūdāmanikeralī (pra.), Ms. IO 3126. See also *Keralapraśna V* or *Divyacūdāmaṇi*.

Cūdāmanisara (pra.), by Lakṣmaṇa, a résumé of the *Divyacūdāmaṇi* or *Keralapraśna V* of Keralācārya. Ms. CC I. 189.

Cola

—C (VI) on *Uḍudāyapradīpa*.

Jātakaratnāvalī (*Keralīyā*), (jā.) Ms. Raj. Jodh. II-B. 320.

Jīvanātha Jhā, son of Harirāma

—C *Tattvādīpikā* on *Uḍudāyapradīpa*

Jñānapradīpa (°ka, °pikā) : Same as *Keralabṛṇḍāvana* by Padmanābha.

Dhūṇḍhirāja

—*Keralabhāṣya* on *Keralavacanāni*

Dvādaśbhāva (*phalā*) : See *Keralacandrīkā* and *Keralādvādaśabhāvā-phalā*.

Nandarāma Paṇḍita

—*Keralīya-praśnaratna*

Nikaṣā, a demoness

—*Keralāśāstrasūtra*

Nṛhari or Nṛsimha, alias Appāsūri

—C, *Śaradāgama*, on *Uḍudāyapradīpa*

Padmanābha

—*Keralabṛṇḍāvana* or *Jñānadīpa* (°paka, °pikā)

—*Keralapradīpa* (possibly same as the above work)

Paramasukha- C on *Uḍudayapradīpa*

Parahita (kar.), apparently by a Tamil astronomer, based on the Kerala Parahita school. Epoch : Kali-day 16,83,312 (A.D. 1507). Couched in corrupt Sanskrit.

Beg. hariharavidhikhecarān praṇatvā
kalḍdivasāt 'priyabāla-jātako' nāt /
bhavati hi varabhaumavārapūrvam
parahitakhaṇḍam iti bruvanti santah //
guṇkāraḥ kulam bhānoḥ ...

Ms. Tanjore D. 11719 (70 gr.)

Pāśakakeralī : See *Pāśakevalī*.

Pāśakakevalī (prognostication by dice throw), sometimes spelt as *Pāśakakeralī*, *Pāśakevalī* or *Pāśakevalī*, attributed to Garga.

Mss. CC I. 336 ; Lucknow, Skt. Parishad, I. 232.

Pāśakevalī I or *Jñānabhāskara* (nat. astrol.) Ms. Raj. Jaina, IV.286.

Pāśakevalī II or *Keralaprasna* (pra.), by Garga. Mss. Raj. Jaina, II. 272 ; IV. 286 ; Raj. Jodh. II-B. 330 ; Tanjore D. 11496.

Do.—C *Ṭika*. Mss. Raj. Jodh., II-B. 330.

Prajāpati—*Uḍupakerala*

Praśnakeralī (pra.), by Bhojarāja. Ms. Varanasi, IX. 50.

Praśnabhārgava-kerala (pra.). Ms. CC I. 358.

Praśnavidyā (pra.), from *Keralīya*. Ms. NCC V. 49.

Bālakṛṣṇa, son of Jyotiḥsvarūpa

—C, *Snehakūpikā*, on *Uḍudayapradīpa*.

Bibl. Astron. 15

Bhāragva-pañcāṅgam (astrol.), by Vararuci IV.

End: ity evaṃ *Bhārgavam nāma Pañcāṅgam Bhārgavoditam* |
viditvā manuḥ yas tu kurute kāryam anvaham ||

Col. iti *Vararuci-viracitam Bhārgavapraṇītam Pañcāṅgam samā-*
ptam.

Ms. Mad. D. 14055.

Bhañjana Miśra

—*Keralīśakunavālī*

Bhairavadatta

—C, *Uddyota*, on *Uḍudāyapradīpa*

Bhojarāja

—*Praśnakeralī*

Mayūreśvaropādhyāya

—C on *Uḍudāyapradīpa*

Marici

—*Keralasūtra*

Matracūḍamaṇi (jā. ?), by Keralācārya. Ms. Imperial Museum
(now in the Asiatic Soc, Calcutta), 10737.

Mihira Bhaṭṭa

—*Keralamata-praśnasaṅgraha*

Mūladeva

—*Keralapraśnagrantha*

—*Kera'agranthodāharaṇa*, possibly C on above.

Rāvaṇa

—*Keralī* (pra.)

Lakṣmaṇa

—*Cūḍamaṇisāra*

Vararuci III, Tamil astronomer of Kanchipuram who adapted the
Parahita system of Kerala astronomy in the Tamil region,
c. 1300 A.D.

—*Vākyakaraṇa* or *Vākyopañcadhyāyī*

Vararuci III (contd.)

Ref. T. S. K. Sastri and K. V. Sarma, Intro. to *Vākṣakarāṇa*, (Madras, 1962), pp. vi-ix.

Vararuci IV

—*Bhārgavapañcāṅga*

Vākṣakarāṇa I or *Vākṣapañcādhyaī* (kar.), by Vararuci III. Basic manual of the *Vākṣapañcāṅga* of the Tamil country. In five chapters devoted, respectively, to *Ravicandrarāhusphuṭa*, *Tarāgrahasphuṭa*, *Tripraśna*, *Grahaṇa* and *Udayāsta-mahapātāḥ*.

Mss. See Intro. to edn. Cr. Edn. with detailed Intro., Summary of contents and Appendices, by T. S. Kuppanna Sastri and K.V. Sarma, K.S.R. Institute., Madras-4, 1962.

Do.—C I, *Laghudīpikā* or *Laghuprakāśikā* by Sundararāja.

Mss. See Intro. to edn. Cr. Edn. by T. S. K. Sastri and K.V. Sarma, with the edn. of the text, above.

Do.—C II, *Sundararājīya* or *Vāsanāprakāśikā* by Sundararāja, being more extensive than C I above.

Men. by the au. himself in his C I, edn., pp. 3, 21, 24, 49, 50, 107; See also the intro. to his C I :

śrī-Nīlakaṇṭhāṅghrinivīṣṭacetāḥ
śrī-Somadevānujighṛkṣayaiva /
vicitravākyaṁ vivṛtam punaś ca
prakāśaye 'ham karaṇam laghiyaḥ /

Vākṣakarāṇa II (*Prakṣiptādhyāya*) (kar.), ch. VI, in 37 interpolated verses. Ms. See edn. Edn. By T.S.K. Sastri and K.V. Sarma, as App. to the edn. of *Vākṣakarāṇa*, above.

Vākṣakarāṇa III, related to *Vākṣakarāṇa* II. Ms. Ker. P. 955.

Viśvanātha Bhaṭṭa

—*Keralaratnamāñjarī*

Veṅkaṭeśa, of the Kāśyapagotra, pupil of Acyuta I

—*Keralīgrantha*, *Uḍudāyapradīpa* or *Jātakacandrika*

—*Devakerala* of Acyuta II, redaction of Part II

Vyāsa

—*Keraliśakuna*

Śiva

—*Keralāmata*

Śukra Ācārya

—*Keralajātakānanda* or *Keralarahasya* or *Śukrakerala**Śukrakerala* : See *Keralajātakānanda*.

Śrī (?)

—*Keralasūtra* or *°śāstra*

Sarvartu Paṇḍita, protégé of Gopāla of Vijayanagar.

—C on *Keralahorā*

Sundararāja, Astronomer of the Tamil country, resident of the banks of river Kāverī, son of Anantanārāyaṇa and protégé of Somadeva ; admirer and contemporary of Nilakaṇṭha Somayāji, with whom he had correspondence on astronomical problems (see above, pp. 95-96, *Sundararāja-praśnottara* by Nilakaṇṭha Somayāji).

—C I, *Laghudīptkā* or *Laghuprakāśikā* on *Vākyakaraṇa* of Vararuci III:

—C II *Sundararājīya* or *Vasanāprakāśikā*, a more extensive C on *Vākyakaraṇa*

Ref. T. S. K. Sastri and K. V. Sarma, Intro. to *Vākyakaraṇa*, Madras, 1962.

Note. Since most of the works noticed above are anonymous, that fact is not indicated against each work with the symbol 'anon'. However, when the real or apocryphal author of a work is known, the fact is duly indicated.

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